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ABSTRACT

This publication presents data on the supply, utilization, and characteristics of the Nation's doctoral scientists and engineers. The population surveyed consisted of individuals in the United States who held science or engineering (S/E) doctorates or who had received doctorates in non-S/E areas but were employed in S/E positions. The data in this series of reports issued by the National Science Foundation (NSF) take account of a 42-year time span following the receipt of the doctoral degree. The data on doctoral scientists and engineers in this report are presented in four sections: Section I presents data on the total population; Section II on the employed labor force; Section III provides data on scientists and engineers in the three largest employment sectors of the economy; and Section IV presents data on employed women. Among the highlights are: (1) a 13% increase in the population of doctoral scientists and engineers from 1973-75; (2) a 23% increase of women Ph.D.'s in science and engineering; and (3) an unemployment rate of under 1% in 1975. (Author/RH)

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Characteristics of Doctoral Scientists and Engineers in the United States, 1975

A Report Based on the National Science Foundation's Manpower Characteristics System

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NATIONAL SCIENCE FOUNDATION
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FOREWORD

One of this country's greatest resources is its pool of highly trained individuals who are capable of addressing current problem areas and also enlarging and advancing the fundamental body of knowledge available for application to these problems. Doctoral scientists and engineers represent a key element in this national resource; accordingly, data regarding the characteristics of these individuals are important.

This report presents data on the characteristics of 278,000 doctoral scientists and engineers in the United States, based on a survey conducted in spring 1975. This survey was the second in a biennial series of surveys of the Doctoral Roster of Scientists and Engineers, conducted for the National Science Foundation and the National Institutes of Health by the National Academy of Sciences' Commission on Human Resources.

Surveys of doctoral scientists and engineers represent one element of the Foundation's Manpower Characteristics System (MCS) which was established to provide manpower data essential to the formulation of policies and programs to assure the effective utilization of scientists and engineers. The system also includes surveys of the National Sample of Scientists and Engineers and of New Entrants to Science and Engineering. A feature of the MCS is that information is collected from individual scientists and engineers rather than from other sources; e.g., employers or professional societies. Consequently, many characteristics unknown to employers can be identified.

This report is principally a reference document providing data on the field, type of employer, age, sex, work activity specialization, salary, and other factors relating to the Nation's doctoral scientists and engineers. Information highlighted in the text of this report was selected generally on the basis of inquiries and requests for data from the previous survey in this series. In addition to presenting the results of the 1975 survey, the report includes selected data elements from the 1973 survey, for comparison purposes. Although such short-term comparisons have limited value in establishing long-range projections, they are very useful in signalling more immediate changes and in identifying areas which warrant further detailed analyses.

This report was prepared in the Foundation's Division of Science Resources Studies. General supervision was provided by Robert R. Trumble, Head, Manpower Studies Section.

Charles E. Falk
Director, Division of Science Resources
Studies
National Science Foundation

March 1977

acknowledgments

J. James Brown, Study Director, Manpower Characteristics Studies Group, provided the planning and direction for this survey. The report was prepared by John A. Scopino with the assistance of Gayle F. Barker and Nancy M. Conlon.

With support from the National Science Foundation and the National Institutes of Health, the Commission on Human Resources of the National Research Council, through the Board on Human-Resource Data and Analyses, conducted the 1975 survey and maintained the Roster of Doctoral Scientists and Engineers. The project staff, under the direction of Betty D. Maxfield, included Nancy Ahern and Andrew Spisak. Administrative supervision was provided by Dorothy M. Gilford and William C. Kelly.

The doctorate-holding scientists and engineers who responded to the survey deserve our warmest thanks since it was their effort which made this report possible.

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HIGHLIGHTS

- The population of doctoral scientists and engineers grew from 245,000 in 1973 to 278,000 in 1975—a 13-percent increase. During this period, the number of women holding Ph.D.'s in science and engineering increased at a faster rate (23 percent) than men (12 percent).

- The unemployment rate for doctoral scientists and engineers, which was 1.2 percent in 1973, was just under 1 percent in 1975.

- In 1975 members of racial minority groups accounted for about 6 percent of the doctoral science and engineering (S/E) population in the United States, an increase over the level reported in 1973. Asians, who accounted for about four-fifths of the racial minorities in 1973, also accounted for this proportion in 1975.

- In 1975 over two-fifths of the doctoral scientists and engineers in the United States were between 30 and 39 years of age and about three-fifths were under age 45. The median age declined from 42 in 1973 to 41 in 1975.

- Between 1973 and 1975, the number of employed doctoral scientists and engineers increased by 16 percent. The most significant change in the employment pattern occurred in industry, where the number employed grew from 50,000 to 66,000, an increase of 32 percent.

- In spite of the increase in industrial employment, educational institutions continued to provide the major source of employment for doctorate-holding scientists and engineers. In 1975 over 153,000 individuals, 58 percent of the total employed, cited educational institutions as their source of primary employment, a level equal to that reported in 1973.

- In 1975 teaching was the primary work activity of more than one-third of the doctoral scientists and engineers in the employed labor force. Slightly less than one-third were engaged in the performance of research and development, while about one-fifth were engaged in managerial activities.

- The proportion of employed doctoral scientists and engineers receiving Federal support in their work decreased from 46 percent in 1973 to 43 percent in 1975. This decrease is consistent with the pattern of Federal funding in support of research and development during this period, which has not kept pace with the growth in the number of employed scientists and engineers holding a Ph.D.

- Between 1973 and 1975 the number of employed women showed an increase of 29 percent, over twice the increase of men.

- Women's salaries continued to fall short of men's although there is some evidence that the gap may be starting to close in the younger age groups.

- The overall median annual salary of doctoral scientists and engineers in 1975 was $23,100—up 11 percent since 1973 when measured in current dollars. During this period the Consumer Price Index rose more than 20 percent, resulting in a net salary loss of about 10 percent, when inflation is taken into account.

INTRODUCTION

This publication presents data on the supply, utilization, and characteristics of the Nation's doctoral scientists and engineers. The population surveyed consisted of individuals in the United States who held science or engineering (S/E) doctorates or who had received doctorates in non-S/E areas but were employed in S/E positions.

The data in this series of reports issued by the National Science Foundation take account of a 42-year timespan following the receipt of the doctoral degree. The previous report, based on a survey conducted in 1973, took account of individuals who had received their doctorates between January 1, 1930 and June 30, 1972, inclusive. A 42-year period was retained for this report by dropping the 1930 and 1931 cohorts and adding the 1973 and 1974 cohorts. Subsequent reports in this series will continue to take account of a 42-year period in the activities of the Nation's highest trained scientists and engineers.

The data on doctoral scientists and engineers in this report are presented in four sections: Section I presents data on the total population; section II on the employed labor force; section III provides data on scientists and engineers in the three largest employment sectors of the economy, i.e., educational institutions, business and industry, and the Federal Government; and section IV presents data on employed women. The technical notes in appendix A contain information on the survey methodology, coverage, concepts, and definitions. Detailed tabulations are presented in appendix B. The questionnaire and specialties list used in the survey are reproduced in appendix C.

Characteristics of the total population of doctoral scientists and engineers in the United States: 1973 and 1975

Characteristics	1973		1975	
	Number	Percent	Number	Percent
Total	244,921	100.0	277,517	100.0
Field				
Physical scientists	53,425	21.8	59,267	21.4
Chemists	33,881	13.8	38,784	14.0
Physicists/astronomers	19,544	8.0	20,483	7.4
Mathematical scientists	13,515	5.5	14,542	5.2
Mathematicians	11,984	4.9	12,729	4.6
Statisticians	1,531	.6	1,813	.7
Computer specialists	2,943	1.2	3,662	1.3
Environmental scientists	11,074	4.5	12,783	4.6
Earth scientists	9,142	3.7	10,076	3.6
Oceanographers	1,227	.5	1,353	.5
Atmospheric scientists	705	.3	1,354	.5
Engineers	37,569	15.3	44,425	16.0
Life scientists	64,540	26.4	72,316	26.1
Biological scientists	41,035	16.8	43,754	15.8
Agricultural scientists	11,893	4.9	14,277	5.1
Medical scientists	11,612	4.7	14,285	5.1
Psychologists	28,286	11.5	31,613	11.4
Social scientists	32,773	13.4	38,251	13.8
Economists	9,678	4.0	11,049	4.0
Sociologists/anthropologists	7,455	3.0	8,775	3.2
Other social scientists	15,640	6.4	18,427	6.6
No report	796	.3	658	.2
Sex				
Men	223,660	91.3	251,399	90.6
Women	21,261	8.7	26,118	9.4

Characteristics	1973		1975	
	Number	Percent	Number	Percent
Race				
White/Caucasian[1]	215,621	88.0	247,723	89.3
Black/Negro	1,860	.8	2,653	1.0
American Indian	106	(2)	451	.2
Asian	8,066	3.3	13,491	4.9
Other	315	.1	214	.1
No report	18,953	7.7	12,985	4.7
Age				
24 or under	12	(2)	30	(2)
25-29	10,679	4.4	10,026	3.6
30-34	54,023	22.1	58,168	21.0
35-39	45,329	18.5	56,229	20.3
40-44	37,913	15.5	42,004	15.1
45-49	31,767	13.0	35,233	12.7
50-54	25,576	10.4	29,921	10.8
55-59	16,849	6.9	19,452	7.0
60-65	10,240	4.2	12,754	4.6
65-69	7,321	3.0	7,804	2.8
70 or over & no report	5,212	2.1	5,896	2.1
Employment status				
Full-time employed	213,611	87.2	246,624	88.9
Science/engineering	202,432	82.7	233,550	84.2
Nonscience/engineering	11,179	4.6	13,074	4.7
Part-time employed	7,180	2.9	7,439	2.7
Science/engineering	6,420	2.6	6,522	2.4
Nonscience/engineering	760	.3	917	.3
Postdoctoral appointees	5,959	2.4	8,348	3.0
Unemployed, seeking	2,642	1.1	2,533	.9
Not employed, not seeking	1,477	.6	2,425	.9
Retired and not employed	6,266	2.6	9,205	3.3
Other	2,381	1.0	447	.2
No report	5,405	2.2	496	.2

[1] Includes East Indians.

[2] Less than 0.05 percent.

Note: Percents may not add to 100.0 because of rounding.

SOURCE: National Science Foundation.

Section I. TOTAL POPULATION

Field

In 1975 the population of doctoral scientists and engineers numbered about 278,000.[1] Physical and life scientists represented the two largest fields and, collectively, accounted for nearly one-half (47 percent) of this population; engineers, psychologists, and social scientists also accounted for substantial, although smaller proportions of the population.

Between 1973 and 1975 the population of doctoral scientists and engineers grew by 33,000, an increase of about 13 percent. Although there were increases in the number of doctorate-holders in all fields of science and engineering, the largest relative gains occurred among atmospheric scientists, computer specialists, medical scientists, and agricultural scientists, perhaps reflecting the increasing use of computers throughout the economy, and to some extent, the demand for highly trained individuals in fields closely related to problems of national concern. Smallest relative gains took place among physicists/astronomers, mathematicians, and biological scientists.

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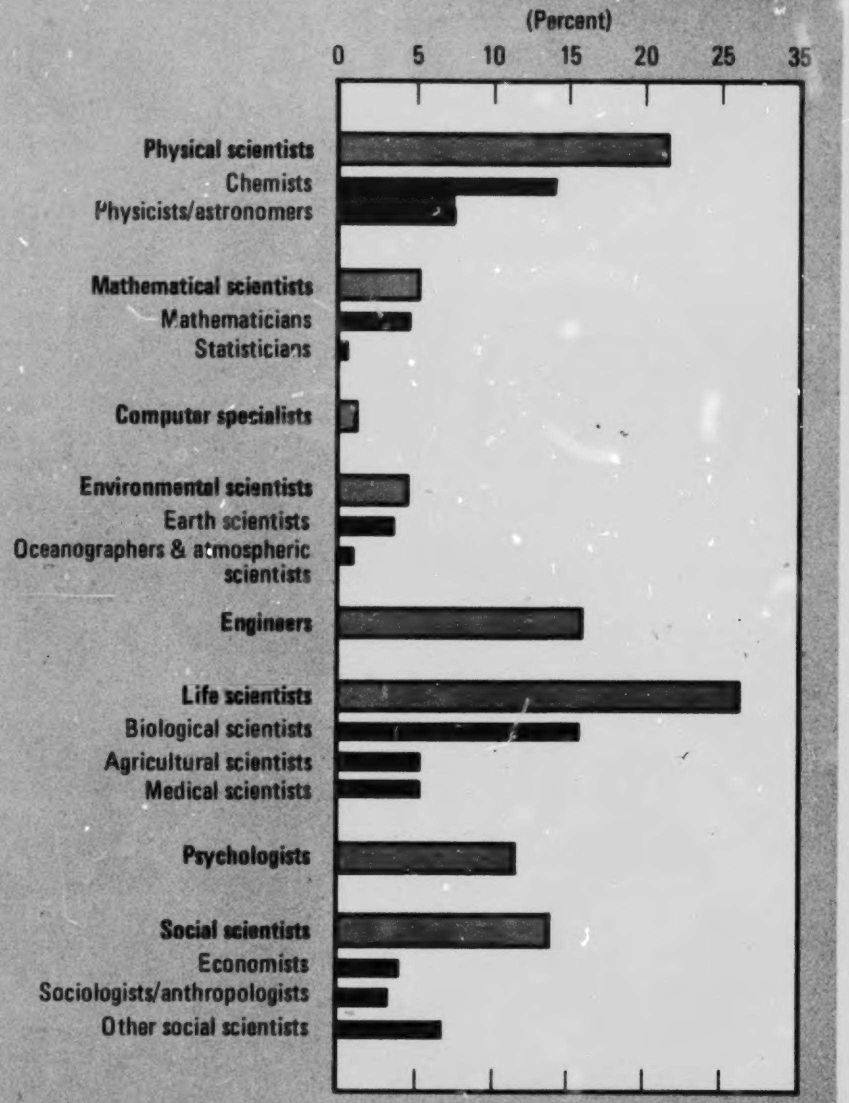
[1] This total represents those doctoral scientists and engineers who received their doctorates during the period 1932-74. This 42-year span is the same length as the time period covered by the 1973 doctorate population reported in National Science Foundation, *Characteristics of Doctoral Scientists and Engineers in the United States, 1973* (NSF 75-312) (Washington, D.C. 20402: Supt. of Documents, U.S. Government Printing Office, 1975.)

Doctoral scientists and engineers by field: 1975



SOURCE: National Science Foundation

In spite of these relative shifts, the *overall* pattern by field of science or engineering did not change markedly during this 2-year period. The largest such change in the proportion of the total population was reflected in the relatively small growth in the number of biological scientists which resulted in a proportional shift of only 1 percentage point.

Relative growth between 1973 and 1975 in the number of doctoral scientists and engineers in the United States by field

Field	Percent change
Total	13.3
Physical scientists	10.9
Chemists	14.5
Physicists/astronomers	4.8
Mathematical scientists	7.6
Mathematicians	6.2
Statisticians	18.4
Computer specialists	24.4
Environmental scientists	15.4
Earth scientists	10.2
Oceanographers	10.3
Atmospheric scientists	92.1
Engineers	18.2
Life scientists	12.0
Biological scientists	6.6
Agricultural scientists	20.0
Medical scientists	23.0
Psychologists	11.8
Social scientists	16.7
Economists	14.2
Sociologists/anthropologists	17.1
Other social scientists	17.8
No report	17.3

SOURCE: National Science Foundation

Sex

During this period, the relative increase in the number of women doctorate-holders in science and engineering exceeded that of men. Thus, while the number of men increased by 12 percent, the increase among women was almost twice that level (23 percent). As a result, the proportion of women in the doctorate S/E population rose from 8.7 percent in 1973 to 9.4 percent in 1975.

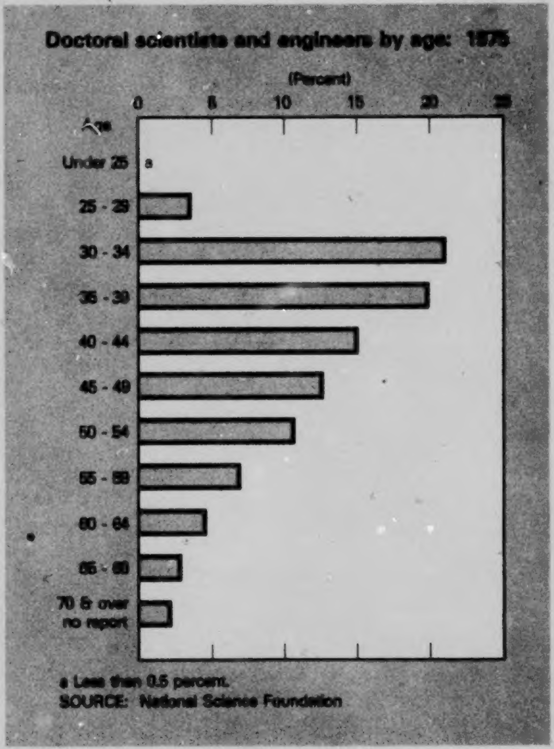
Race

In growth terms, racial minority groups increased at a greater rate (62 percent) during this 2-year period than did White/Caucasians (15 percent). Thus, in 1975 members of racial minority groups accounted for about 6 percent of the doctoral S/E population in the United States, an increase of 2 percentage points over the level reported in 1973. Asians, who accounted for four-fifths of the racial minorities in 1973 also accounted for about this same proportion in 1975.

Age

In 1975 over two-fifths of the doctoral scientists and engineers in the United States were between 30 and 39 years of age and about three-fifths were under age 45. The preponderance of younger individuals in this segment of the Nation's population is underscored by the fact that every group starting at age 30 to 34 is larger than the next older group. The small number of doctorate-holders under age 30 may result from delays in entering a doctoral program in addition to the lengthy period required to earn a Ph.D.

The 1975 distribution of doctoral scientists and engineers, by age, showed only slight differences from that in 1973. The influx of new doctorate-holders from the 1973 and 1974 graduating classes accounted for a sizable increase in the total population of Ph.D. scientists and engineers during the 2-year period from 1973 to 1975. As a result, the overall median age dropped by 1 year; from 42 in 1973 to 41 in 1975. In other respects, however, the age patterns in 1975 were very similar to those in 1973.



Doctoral scientists and engineers by age: 1975

a Less than 0.5 percent.
SOURCE: National Science Foundation

Employment Status

In 1975 there were approximately 265,000 doctoral scientists and engineers in the labor force, a 15-percent increase from 1973. Of this number, about 2,500 were unemployed and seeking employment. The unemployment rate was slightly less than 1 percent, as compared with an unemployment rate of 1.2 percent in 1973.

In 1975 about 90 percent of the population of doctoral scientists and engineers reported full-time employment status while 3 percent held part-time jobs. An additional 3 percent held postdoctoral appointments,[2] while the balance were unemployed, outside the labor force, or gave no report of their employment status.

In addition to a very slight reduction in the unemployment rate of doctoral scientists and engineers, other changes which took place between 1973 and 1975 were increases in the proportion of full-time employed individuals and postdoctoral appointees. Some of these changes may be related to a decrease in the no-report category.

In 1975 the labor force participation rate of doctoral scientists and engineers was 95 percent, up slightly since 1973. In general, labor force participation rates of men exceeded those of women. In 1975 the overall labor force participation rate of women doctoral scientists and engineers was 88.6 percent while that of men was 96.2 percent.[3] The ratio of the labor force participation rate of women versus that of men was 0.92 overall and ranged from 0.87 to 0.97.

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[2] Additional postdoctoral appointments held by professional, medical, and foreign doctorate-holding personnel are outside the scope of this report.

[3] Comparable figures for the civilian noninstitutional population as of March 1975 were 82.7 percent for women and 86.7 percent for men, based on individuals with 5 or more years of college, 30 years of age or older. U.S. Department of Labor, Bureau of Labor Statistics, unpublished data.

Labor force participation rates of doctoral scientists and engineers, by field and sex: 1973 and 1975

[Percent]

Field	1973				1975			
	Total	Men	Women	Ratio Women/Men	Total	Men	Women	Ratio Women/Men
Total	93.7	94.5	84.9	.90	95.5	96.2	88.6	.92
Physical scientists	93.6	94.2	84.0	.89	94.9	95.5	85.3	.89
Chemists	92.8	93.5	80.2	.86	94.5	95.1	85.2	.90
Physicists and astronomers	95.0	95.3	85.6	.90	95.8	96.1	85.9	.89
Mathematical scientists	94.6	95.4	85.1	.89	96.6	97.2	88.7	.91
Mathematicians	94.2	95.1	83.8	.88	96.2	96.9	88.4	.91
Statisticians	97.8	97.7	100.0	1.02	99.0	99.3	92.4	.93
Computer specialists	99.0	99.4	97.8	.98	99.9	100.0	97.3	.97
Environmental scientists	96.0	96.2	90.2	.94	98.4	98.2	93.7	.95
Earth scientists	95.9	96.1	90.7	.94	97.7	97.9	92.8	.95
Oceanographers	96.2	96.7	(1)	(1)	99.3	99.6	94.0	.94
Atmospheric scientists	96.9	96.8	(1)	(1)	99.0	98.9	(1)	(1)
Engineers	97.1	97.1	89.1	.92	98.2	98.3	86.1	.88
Life scientists	92.9	94.3	83.0	.88	93.8	95.0	85.0	.89
Biological scientists	92.5	94.1	83.2	.88	92.8	94.4	84.8	.90
Agricultural scientists	94.2	94.3	85.1	.90	96.0	96.2	83.6	.87
Medical scientists	93.1	94.6	81.8	.86	94.5	95.0	90.6	.95
Psychologists	92.9	94.0	88.7	.94	96.7	97.7	93.2	.95
Social scientists	92.0	92.5	87.2	.94	94.9	95.4	91.6	.96
Economists	90.7	91.1	84.9	.93	93.5	94.0	87.2	.93
Sociologists/anthropologists	92.3	93.0	89.3	.96	95.0	96.0	91.3	.95
Other social scientists	92.6	93.3	86.0	.92	95.8	96.1	93.3	.97

[1] No rate computed for groups with less than 50 individuals in the labor force.

SOURCE: National Science Foundation

Section II. EMPLOYED LABOR FORCE

In 1975 the employed labor force of doctoral scientists and engineers numbered about 262,000; of this number, about 95 percent held S/E-related positions.[4] The pattern of full-time and part-time employed individuals in science- and nonscience-related positions was consistent with that reported in 1973.

Selected employment characteristics of doctoral scientists and engineers: 1973 and 1975

Employment characteristics	1973	1975
Total	226,750	262,411
	Percent	distribution
	100.0	100.0
In science/engineering	94.7	94.7
Full time	89.3	89.0
Part time	2.8	2.5
Postdoctoral appointees	2.6	3.2
In Nonscience/nonengineering	5.3	5.3
Full time	4.9	5.0
Part time	.3	.3

NOTE: Percents may not add to 100 because of rounding.
SOURCE: National Science Foundation

Salary by Field

The overall median annual salary of doctoral scientists and engineers in 1975 was $23,100—up 11 percent since 1973 when measured in current dollars. During this period[5] the Consumer Price Index rose more than 20 percent,[6] resulting in a net salary loss of about 10 percent, when inflation is considered.

Taking inflation into account, salary losses were considerably greater in certain fields of science or engineering; e.g., computer specialists, atmospheric scientists, and sociologists/anthropologists who suffered a loss in "real" salary of over 14 percent during the 2-year period. Oceanographers, earth scientists, and chemists—who registered the largest salary increases during the period—did not fare much better, after losing 6 percent to 8 percent in "real" salary.

The loss of "real" salary can be placed in better perspective when salaries of doctoral scientists are viewed over a longer period of time and in terms of current and 1972 constant dollars.[7] In 9 of the 12 fields from which data are available, the downward trend in constant dollars began in 1972 or 1973 with the greatest loss (in 1972 constant dollars) occurring in the field of sociology/anthropology.

Change between 1973 and 1975 in median annual salaries of doctoral scientists and engineers by field

[Percent]

Field	Salary increase[1]	"Real" salary gain/loss[2]
Total	10.5	-9.8
Physical scientists	12.7	-7.6
Chemists	12.7	-7.6
Physicists and astronomers	11.8	-8.5
Mathematical scientists	9.8	-10.5
Mathematicians	9.4	-10.9
Statisticians	11.1	-9.2
Computer specialists	5.9	-14.4
Environmental scientists	13.0	-7.3
Earth scientists	13.5	-6.8
Oceanographers	13.9	-6.4
Atmospheric scientists	5.7	-14.6
Engineers	12.0	-8.3
Life scientists	11.0	-9.3
Biological scientists	9.2	-11.1
Agricultural scientists	11.1	-9.2
Medical scientists	11.7	-8.6
Psychologists	9.4	-10.9
Social scientists	8.3	-12.0
Economists	10.3	-10.0
Sociologists/anthropologists	6.2	-14.1
Other social scientists	8.2	-12.1
No report	35.6	+15.3

[1] In current dollars.
[2] Taking Consumer Price Index into account.

SOURCE: National Science Foundation

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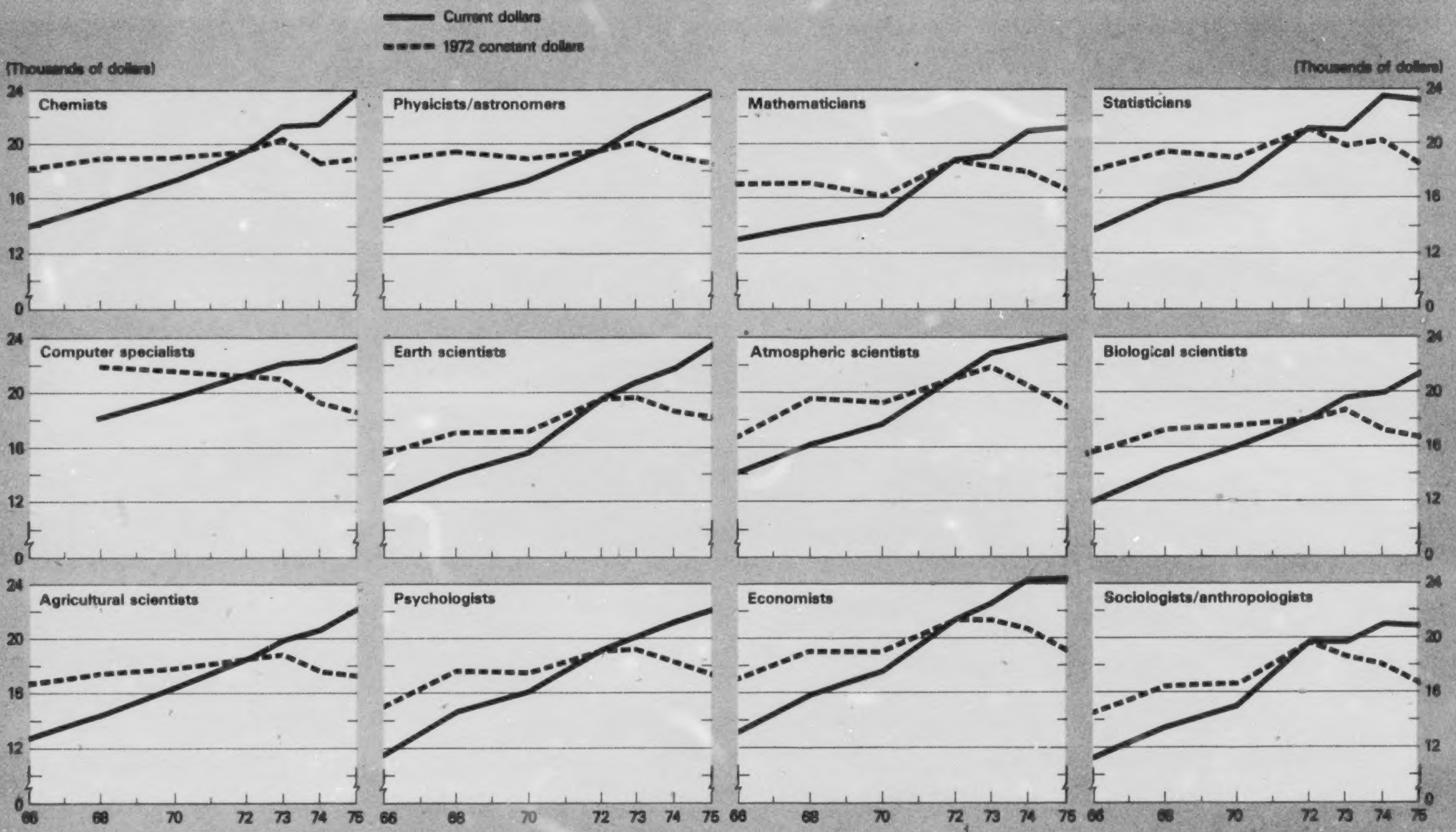
[4] Including full-time employed, part-time employed, and postdoctoral appointees, collectively.

[5] Survey data were collected as of April 1973 and February 1975.

[6] The Consumer Price Index for urban wage earners and clerical workers rose from 130.7 in April 1973 to 157.2 in February 1975 (Department of Labor, Bureau of Labor Statistics, *Consumer Price Index Detailed Report*, April 1973 and February 1975.)

[7] Based on GNP implicit price deflators.

Median annual salaries of doctoral scientists and engineers by field: selected years



SOURCE: National Science Foundation

Characteristics of employed doctoral scientists and engineers in the United States: 1973 and 1975

Characteristics	1973			1975		
	Number	Percent distribution	Median annual salary	Number	Percent distribution	Median annual salary
Total employed	226,750	100.0	$20,900	262,411	100.0	$23,100
Field						
Physical scientists	49,110	21.7	21,200	55,473	21.1	23,900
Chemists	30,859	13.6	21,300	36,224	13.8	24,000
Physicists/astronomers	18,251	8.0	21,100	19,249	7.3	23,600
Mathematical scientists	12,607	5.6	19,300	13,942	5.3	21,200
Mathematicians	11,112	4.9	19,100	12,150	4.6	20,900
Statisticians	1,495	.7	20,800	1,792	.7	23,100
Computer specialists	2,914	1.3	22,100	3,657	1.4	23,400
Environmental scientists	10,537	4.6	20,700	12,441	4.7	23,400
Earth scientists	8,688	3.8	20,700	9,781	3.7	23,500
Oceanographers	1,166	.5	19,400	1,320	.5	22,100
Atmospheric scientists	683	.3	22,800	1,340	.5	24,100
Engineers	36,187	16.0	22,500	43,356	16.5	25,200
Life scientists	59,350	26.2	20,000	67,149	25.6	22,200
Biological scientists	37,441	16.5	19,500	40,033	15.3	21,300
Agricultural scientists	11,116	4.9	19,800	13,656	5.2	22,000
Medical scientists	10,793	4.8	23,000	13,460	5.1	25,700
Psychologists	26,037	11.5	20,200	30,334	11.6	22,100
Social scientists	29,865	13.2	20,400	35,965	13.7	22,100
Economists	8,734	3.9	22,300	10,297	3.9	24,600
Sociologists/anthropologists	6,781	3.0	19,500	8,186	3.1	20,700
Other social scientists	14,350	6.3	19,600	17,482	6.7	21,200
No report	143	.1	19,100	94	(1)	25,900
Type of employer						
Business and industry	50,022	22.1	23,400	65,876	25.1	26,000
Educational institutions	132,692	58.5	19,300	153,249	58.4	21,400
4-year colleges/university	128,095	56.5	19,300	147,633	56.3	21,400
Type of employer—Con.						
2-year colleges	3,061	1.3	18,400	3,674	1.4	19,200
Elementary/secondary school	1,536	.7	19,100	1,942	.7	20,600
Hospital/clinics	5,714	2.5	19,600	7,586	2.9	21,800
Nonprofit organizations	7,853	3.5	22,200	8,510	3.2	24,400
Federal Government	17,640	7.8	23,700	19,452	7.4	26,200
Military/Commissioned Corps	1,984	.9	(2)	2,182	.8	(2)
State government	2,597	1.1	19,200	3,110	1.2	20,900
Other government	1,322	.6	19,600	2,011	.8	22,700
Other	3,390	1.5	24,700	86	(1)	(2)
No report	3,536	1.6	21,600	349	.1	(2)
Primary work activity						
Research and development	69,509	30.7	20,600	84,510	32.2	23,000
Basic research	32,275	14.2	19,900	39,121	14.9	22,200
Applied research	28,654	12.6	21,000	33,779	12.9	23,300
Development	8,580	3.8	21,100	11,610	4.4	23,600
Management or administration	40,408	17.8	26,700	52,838	20.1	29,500
Of R&D	22,529	9.9	27,000	29,286	11.2	30,100
Other than R&D	12,097	5.3	25,700	16,023	6.1	27,800
Of both	5,782	2.5	27,500	7,529	2.9	30,200
Teaching	81,728	36.0	18,900	93,665	35.7	20,600
Consulting	4,014	1.8	23,200	5,655	2.2	25,400
Sales/professional services	8,242	3.6	20,700	11,824	4.5	21,900
Other	6,939	3.1	(2)	7,691	2.9	22,100
No report	15,910	7.0	21,400	6,228	2.4	23,700

[1] Less than 0.05 percent.

[2] No median computed for groups with fewer than 20 individuals reporting salary.

NOTE: Medians conputed only for full-time employed civilians. Percents may not add to 100.0 because of rounding.

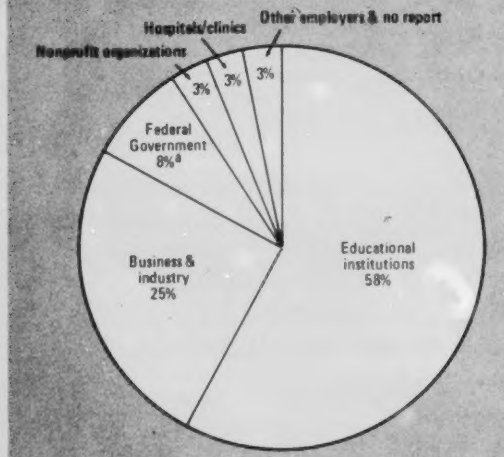
SOURCE: National Science Foundation.

Type of Employer

In 1975, as in 1973, educational institutions continued to provide the largest source of employment; business and industry and the Federal Government were the largest sources of nonacademic employment. The remaining individuals were distributed more or less evenly among other employers.

Between 1973 and 1975 several changes took place in the pattern of employment of doctoral scientists and engineers. Most notable among such changes was an increase in employment within the business and industry sector of the economy. In 1973, 22 percent of the total stock of employed doctoral scientists and engineers were so employed; by 1975 this proportion had increased to 25 percent. This net increase of 3 percentage points, although modest, is of particular significance in light of recent studies which have projected a shift of employment to nonacademic settings.[8]

Employed doctoral scientists and engineers by type of employer: 1975

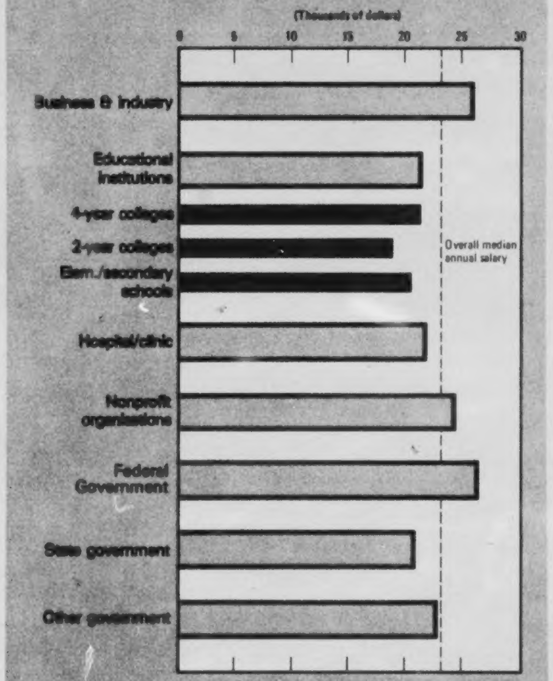


ᵃIncludes military and Commissioned Corps.
SOURCE: National Science Foundation

Changes in the employment patterns of doctoral scientists and engineers within other sectors were less significant. Small increases were noted in the proportion of individuals employed by hospitals/clinics and by State and local governments while similarly small declines were noted in the proportion employed by educational institutions, nonprofit organizations, and the Federal Government (including the military establishments and the Commissioned Corps). The net increase in industry was accompanied by reductions in the other and no-report categories.

The compensation of doctoral scientists and engineers in various employment sectors of the economy exhibited considerable variability. The Federal Government and private industry continued to provide the highest salaries—about 13 percent greater than the overall median level of $23,100 per year. Salaries paid by State governments were substantially lower, about 10 percent below the overall level. But salaries reported by individuals employed by 2-year colleges were lowest of all—about 17 percent less than the overall median.

Median annual salaries of doctoral scientists and engineers by type of employer: 1975



SOURCE: National Science Foundation

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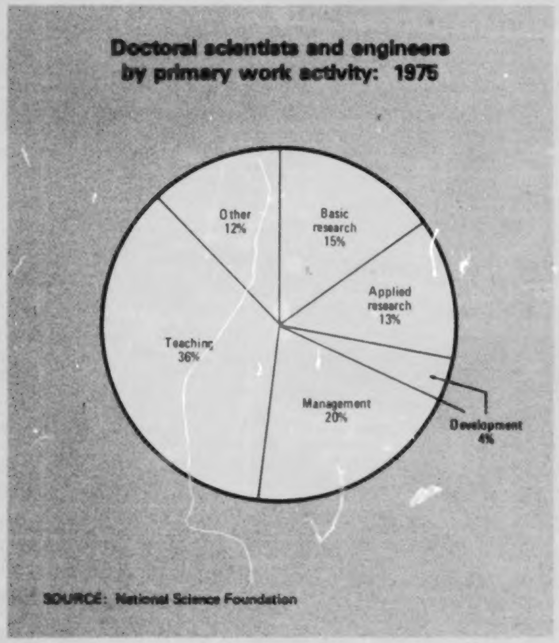
[8] National Science Foundation, *Reviews of Data on Science Resources*, No. 25, "Doctoral Scientists and Engineers in Private Industry, 1973" (NSF 76-302), April 1976, and *Projections of Science and Engineering Doctorate Supply and Utilization, 1980 and 1985* (NSF 75-301), 1975 (Washington, D.C. 20402: Supt. of Documents, U.S. Government Printing Office.)

Primary Work Activity

In 1975 teaching was the primary work activity of more than one-third of the doctoral scientists and engineers in the employed labor force. Slightly less than one-third were engaged in the performance of research and development, while about one-fifth were engaged in managerial activities.

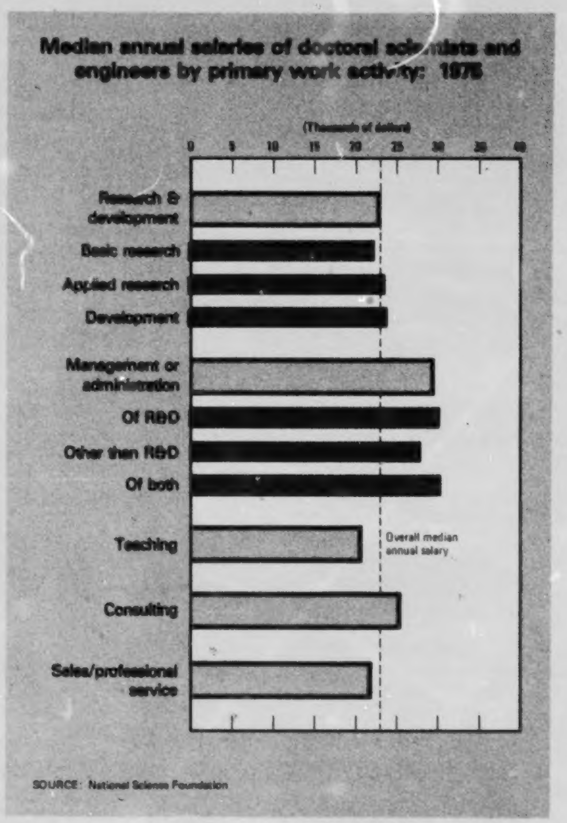
Between 1973 and 1975 several minor changes were noted in the pattern of work activities of employed doctoral scientists and engineers. Increases were noted in the proportion of individuals engaged in research and development, management, consulting, and sales/professional services, while teaching and other activities showed a slight decline. Work activity categories showing increases in 1975, however, were accompanied by a substantial decrease in the proportion of individuals giving no report of work activities.


Doctoral scientists and engineers by primary work activity: 1975

SOURCE: National Science Foundation

Teaching, the dominant work activity of doctoral scientists and engineers in the United States, continued to provide the lowest annual salaries. In 1975 the median annual salary of individuals who specified teaching to be their primary work activity was $20,600—$2,500 per year below the overall median level.

Highest salaries were reported by managers, with those individuals engaged primarily in the management or administration of research and development reporting higher salaries than their peers in other activities. Overall, the annual salaries of managers of research and development were 31 percent higher than the salaries of individuals engaged primarily in the performance of research and development.


Median annual salaries of doctoral scientists and engineers by primary work activity: 1975

SOURCE: National Science Foundation

Federal Support Status

In 1975, 43 percent of the employed doctoral scientists and engineers in the United States received Federal support for their work; this proportion signified a decrease of 3 percentage points from the 46-percent level reported in 1973.

The change can be related to the pattern of Federal funding during the 2-year period, which has not kept pace with the growth in the number of doctoral scientists and engineers. Thus, from fiscal year 1973 to fiscal year 1975, Federal funds for the performance of research and development by the universities and industrial sectors of the economy[9] decreased by about 7 percent[10] (in constant 1972 dollars)[11] while the number of doctoral scientists and engineers employed in these sectors grew by 20 percent.

Federal support status of employed doctoral scientists and engineers: 1973 and 1975

Federal support status	1973		1975	
	Number	Percent distribution	Number	Percent distribution
Total employed ..	226,750	100.0	262,411	100.0
Receiving support ..	104,258	46.0	112,969	43.1
No support	113,011	49.8	140,250	53.4
Status unknown	6,864	3.0	6,809	2.6
No report	2,617	1.2	2,383	0.9

NOTE: Percents may not add to 100 because of rounding.
SOURCE: National Science Foundation

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[9] In 1975, 84 percent of all employed doctoral scientists and engineers were employed in those sectors.

[10] National Science Foundation, *Detailed Statistical Tables, Federal Funds for Research, Development, and Other Scientific Activities, Fiscal Year 1975, 1976, and 1977*, Vol. XXV (NSF 76-315) (Washington, D.C. 20550, July 1976.)

[11] Based on GNP implicit price deflator.

Section III. MAJOR EMPLOYMENT SECTORS

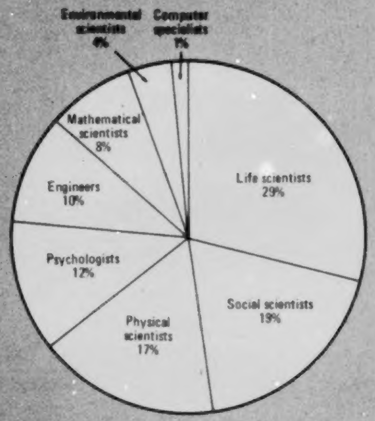
Educational Institutions

FIELD

Educational institutions continued to provide the major source of employment for doctorate-holding scientists and engineers. In 1975 over 153,000 individuals, 58 percent of the total employed, cited educational institutions as their source of primary employment, a level equal to that reported in 1973. There were also no substantial changes in the pattern of employment by field of science or engineering. In 1975 life, social, and physical scientists represented the three largest fields in this employment sector, accounting for two-thirds of the total.

The 1975 pattern of employment by field was comparable to that in 1973. Examination of the employed pool, distributed by field, reveals that the relative size of each field changed less than 1 percentage point between 1973 and 1975, an impressive statistic considering that the total employment in educational institutions increased by over 20,000 during the 2-year period.

Doctoral scientists and engineers employed in educational institutions by field: 1975



SOURCE: National Science Foundation

Numbers and salaries of doctoral scientists and engineers employed in educational institutions by field: 1973 and 1975

Field	1973				1975			
	Number	Percent distribution	Percent of total employed	Median annual salary	Number	Percent distribution	Percent of total employed	Median annual salary
Total employed	132,692	100.0	58.5	19,300	15,3249	100.0	58.4	$21,400
Physical scientists	22,035	16.6	44.9	18,700	26,141	17.1	47.1	21,000
Chemists	11,870	8.9	38.5	18,300	14,402	9.4	39.8	20,500
Physicists/astronomers	10,165	7.7	55.6	19,100	11,739	7.7	61.0	22,000
Mathematical scientists	10,700	8.1	84.9	18,700	12,006	7.8	86.1	20,500
Mathematicians	9,596	7.2	86.4	18,600	10,655	7.0	87.7	20,300
Statisticians	1,104	.8	73.8	19,800	1,351	.9	75.4	22,200
Computer specialists	1,506	1.1	51.7	21,700	1,765	1.2	48.3	22,700
Environmental scientists	5,314	4.0	50.4	18,900	6,170	4.0	49.6	20,900
Earth scientists	4,306	3.2	49.6	18,800	4,754	3.1	48.6	20,800
Oceanographers	693	.5	59.4	18,900	840	.5	63.6	19,700
Atmospheric scientists	315	.2	46.1	21,500	576	.4	43.0	23,000
Engineers	13,022	9.8	36.0	20,900	15,306	10.0	35.3	23,600
Life scientists	39,798	30.0	67.1	19,000	45,115	29.4	67.2	20,900
Biological scientists	26,933	20.3	71.9	18,800	29,632	19.3	74.0	20,300
Agricultural scientists	6,885	5.2	61.9	18,800	8,263	5.4	60.5	20,800
Medical scientists	5,980	4.5	55.4	21,500	7,220	4.7	53.6	24,100
Psychologists	15,956	12.0	61.3	19,300	17,828	11.6	58.8	21,000
Social scientists	24,260	18.3	81.2	19,600	28,858	18.8	80.2	21,200
Economists	6,283	4.7	71.9	20,900	7,204	4.7	70.0	22,800
Sociologists/anthropologists	6,187	4.7	91.2	19,400	7,586	5.0	92.7	20,500
Other social scientists	11,790	8.9	82.2	19,200	14,068	9.2	80.5	20,500
No report	101	.1	70.6	(1)	60	(2)	63.8	(1)

[1] No median computed for groups with fewer than 20 individuals reporting salary.

[2] Less than 0.05 percent.

NOTE: Medians computed only for full-time employed civilians. Percents may not add to 100 because of rounding.

SOURCE: National Science Foundation

But while educational institutions provided a major source of employment for doctorate-holders in all fields of science and engineering, there was a considerable amount of interfield variability. Thus, over 90 percent of employed sociologists/anthropologists were affiliated with educational institutions as compared with about one-third of the doctorate-holding engineers in the Nation who were much more extensively employed elsewhere.

In 1975 the median annual salary of doctoral scientists and engineers employed by educational institutions was $21,400[12] a compensation level considerably below the nationwide median of $23,100. Thus, academic salaries in general continued to remain relatively low as compared with salaries received by doctoral scientists and engineers employed elsewhere. But although academic salaries in all fields of science and in engineering were lower, they were not *uniformly* lower. For example, the median annual salary of academically employed chemists was 15 percent lower than the overall median for all employed chemists, whereas academically employed atmospheric scientists received compensation much nearer the overall median salary level for such individuals.

PRIMARY WORK ACTIVITY

About three-fifths of the doctoral scientists and engineers employed in educational institutions cited teaching as their primary work activity. Research and development including R&D performance and management, also represented major activities accounting for about 27 percent of the total.

Educational institutions continued to represent the principal locus of basic research activities. In 1975 over three-fifths of the individuals employed by educational institutions who cited the performance or management of R&D activities to be primary, were engaged in basic research; and overall, two-thirds of all employed doctorate-holders engaged primarily in basic research, were employed by educational institutions.

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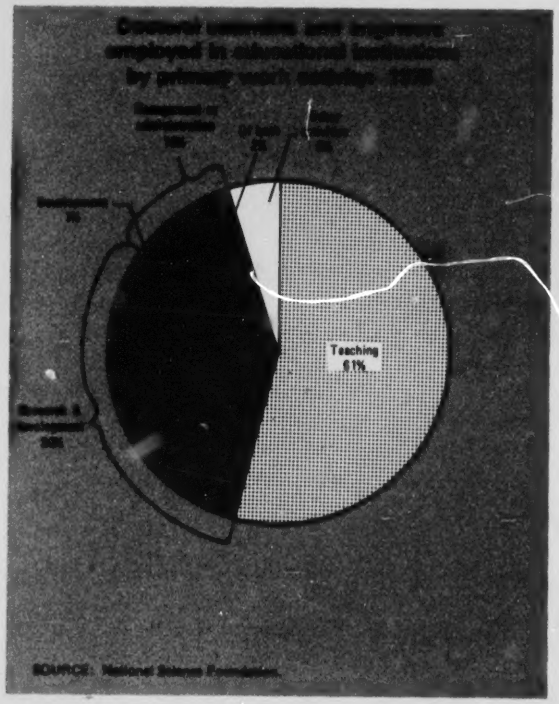
[12] Throughout this report, unless otherwise specified, academic year salaries have been multiplied by eleven-ninths to convert them to a calendar-year basis.

Doctoral scientists and engineers employed in educational institutions by primary work activity: 1973 and 1975

Primary work activity	1973			1975		
	Number	Percent distribution	Percent of total employed	Number	Percent distribution	Percent of total employed
Total employed	132,692	100.0	58.5	153,249	100.0	58..4
Research and development	28,200	21.3	40.6	36,694	23.9	[illegible]
Basic research	20,195	15.2	62.6	26,069	17.0	66.6
Applied research	7,355	5.5	25.7	9,927	6.5	29.4
Development	650	.5	7.6	698	.5	6.0
Management or administration	11,384	8.6	28.2	15,810	10.3	29.9
Of R&D	3,295	2.5	14.6	5,266	3.4	18.0
Other than R&D	5,708	4.3	47.2	7,015	4.6	43.8
Of both	2,381	1.8	41.2	3,529	2.3	46.9
Teaching	80,131	60.4	98.0	92,823	60.6	99.1
Consulting	491	.4	12.2	569	.4	10.1
Sales/professional services	1,870	1.4	22.7	2,585	1.7	21.9
Other	1,795	1.4	25.9	1,297	.8	16.9
No report	8,821	6.6	55.4	3,471	2.3	55.7

NOTE: Percents may not add to 100 because of rounding.
SOURCE: National Science Foundation



Business and Industry

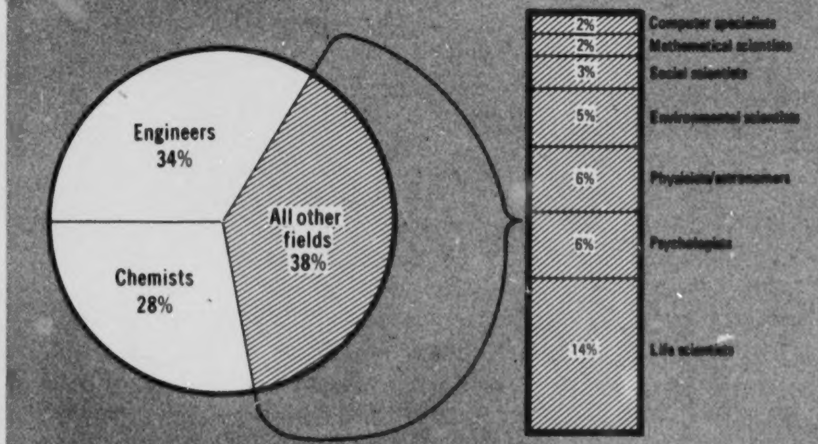
FIELD

Between 1973 and 1975 the number of doctoral scientists and engineers employed by business and industry grew by almost 16,000. Although increases occurred in all fields of science and in engineering, a disproportionately large share of the growth in employment was registered by computer specialists, earth scientists, agricultural scientists, medical scientists, psychologists, economists, and sociologists/anthropologists. These fields represented only 18 percent of the industrial employment in 1973, yet accounted for 40 percent of the increase during the period. Substantially smaller increases took place in the other more traditional fields of science and in engineering.

Nevertheless, the employment rolls of S/E doctorates in business and industry continued to be dominated by engineers and chemists who, in 1975, accounted for over 60 percent of the industrially employed total. The remaining segment of the industrially employed group was not dominated by any particular field of science.

As a result, the industrial sector of the economy continued to provide the major source of employment for engineers and chemists. In 1975 over one-half of *all* employed doctorate-holders in these fields were affiliated with private industry. Industry also attracted a large fraction of the computer specialists in the employed labor force, accounting for about two-fifths of the employed total. This employment pattern was in marked contrast with that of mathematical and social scientists, who were much more extensively employed elsewhere.

Doctoral scientists and engineers employed in business and industry by field: 1975



SOURCE: National Science Foundation

Between 1973 and 1975, the median annual salary of industrially employed doctoral scientists and engineers increased by 11 percent in current dollars. This increase was commensurate with the overall salary gains registered in the total combined sectors of the economy. As a result, industrial salaries continued to be among the highest in the U.S. economy. Industrial salaries were, however, quite variable among S/E fields, particularly within the social sciences, ranging from a high of $30,800 per year for industrially employed economists to a low of $22,900 for other social scientists exclusive of sociologists/anthropologists.[13]

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[13] A list of specific employment fields included in this category is provided in appendix A.

Numbers and salaries of doctoral scientists and engineers employed in business and industry by field: 1973 and 1975

Field	1973				1975			
	Number	Percent distribution	Percent of total employed	Median annual salary	Number	Percent distribution	Percent of total employed	Median annual salary
Total employed	50,022	100.0	22.1	$23,400	65,876	100.0	25.1	$26,000
Physical scientists	19,213	38.4	39.1	23,000	22,385	34.0	40.4	25,900
Chemists	15,294	30.6	49.6	22,800	18,278	27,7	50.5	25,900
Physicists/astronomers	3,919	7.8	21.5	23,800	4,107	6.2	21.3	25,900
Mathematical scientists	850	1.7	6.7	24,200	1,066	1.6	7.6	25,600
Mathematicians	686	1.4	6.2	24,000	847	1.3	7.0	26,100
Statisticians	164	.3	11.0	25,300	219	.3	12.2	24,400
Computer specialists	1,050	2.1	36.0	22,700	1,474	2.2	40.3	23,900
Environmental scientists	2,030	4.1	19.3	23,100	2,978	4.5	23.9	26,100
Earth scientists	1,933	3.9	22.2	23,100	2,730	4.1	27.9	26,400
Oceanographers	74	.1	6.3	(2)	76	.1	5.8	(2)
Atmospheric scientists	23	(1)	3.8	(2)	172	.3	12.8	22,600
Engineers	17,348	34.7	47.9	23,500	22,535	34.2	52.0	26,000
Life scientists	6,821	13.6	11.5	23,500	9,129	13.9	13.6	25,500
Biological scientists	3,175	6.3	8.5	23,100	3,568	5.4	8.9	24,900
Agricultural scientists	1,828	3.7	16.4	22,300	2,687	4.1	19.7	23,200
Medical scientists	1,818	3.6	16.8	25,400	2,874	4.4	21.4	29,900
Psychologists	454	2.9	5.6	28,300	4,187	6.4	13.8	30,500
Social scientists	1,246	2.5	4.2	28,000	2,108	3.2	5.9	28,300
Economists	783	1.6	9.0	30,700	1,266	1.9	12.3	30,800
Sociologists/anthropologists	63	.1	.9	(2)	97	.1	1.2	(2)
Other social scientists	400	.8	2.8	25,900	745	1.1	4.3	22,900
No report	10	(1)	7.0	(2)	14	(1)	14.9	(2)

[1] Less than 0.05 percent.

[2] No median computed for groups with fewer than 20 individuals reporting salary.

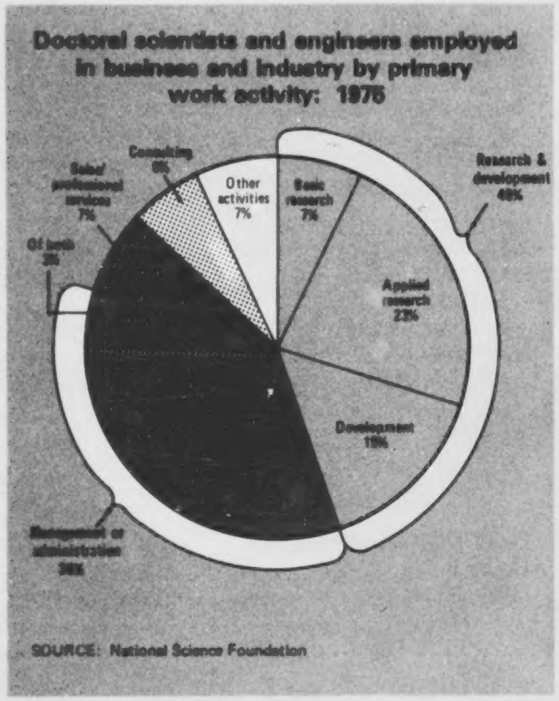
NOTE: Medians computed only for full-time employed civilians. Percents may not add to 100 because of rounding.

SOURCE: National Science Foundation

PRIMARY WORK ACTIVITY

Research and development continued to be the dominant activity of doctoral scientists and engineers in private industry; in 1975 about 70 percent cited R&D performance or management to be their primary work activity. The distribution of doctorate-holders in business and industry citing other primary work activities was more or less even, except for teaching, which accounted for only a very small fraction of the industrial activities of these individuals.

Concurrent with the growth in the number of S/E doctorates in industry between 1973 and 1975 was a shift in the pattern of work activities. Thus, during this period the proportion of individuals engaged in R&D activities declined slightly, while the proportion of individuals in other activities increased. Notable among the latter were those individuals who cited consulting and sales/professional services as their primary work activity. In 1973 these individuals accounted for about 7 percent of the total number employed in industry; by 1975 they accounted for 13 percent. Thus, while individuals primarily engaged in other activities increased at a modest rate during the 2-year period, the number of individuals engaged in consulting or sales/professional services more than doubled.


Doctoral scientists and engineers employed in business and industry by primary work activity: 1975

SOURCE: National Science Foundation

Doctoral scientists and engineers employed in business and industry by primary work activity: 1973 and 1975

Primary work activity	1973 Number	1973 Percent distribution	1973 Percent of total employed	1975 Number	1975 Percent distribution	1975 Percent of total employed
Total employed	50,022	100.0	22.1	65,876	100.0	25.1
Research & development	23,157	46.3	33.3	29,340	44.5	34.7
Basic research	3,407	6.8	10.6	4,332	6.6	11.1
Applied research	12,836	25.7	44.8	15,401	23.4	45.6
Development	6,914	13.8	80.6	9,607	14.6	82.7
Management or administration	17,298	34.6	42.8	23,069	35.0	43.7
Of R&D	12,471	24.9	55.4	16,012	24.3	54.7
Other than R&D	2,981	6.0	24.6	4,788	7.3	29.9
Of both	1,846	3.7	31.9	2,269	3.4	30.1
Teaching	90	.2	.1	189	.3	0.2
Consulting	2,268	4.5	56.5	4,130	6.3	73.0
Sales/professional services	1,435	2.9	17.4	4,487	6.8	37.9
Other	2,539	5.1	36.6	3,273	5.0	42.6
No report	3,235	6.5	20.3	1,388	2.1	22.3

NOTE: Percents may not add to 100 because of rounding.
SOURCE: National Science Foundation

Federal Government[14]

FIELD

In 1975 about 7 percent of the employed doctoral scientists and engineers in the United States were Federal Government civilian employees. This proportion represented a slight decline from the level of employment reported in 1973. Thus, while the number of doctoral scientists and engineers employed by the Federal Government increased by 10 percent during this period, the total number employed in all sectors of the economy increased by 16 percent, thereby resulting in a slight proportional decline.

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[14] Civilian employees only.

Numbers and salaries of doctoral scientists and engineers employed in the Federal Government[1] by field: 1973 and 1975

Field	1973				1975			
	Number	Percent distribution	Percent of total employed	Median annual salary	Number	Percent distribution	Percent of total employed	Median annual salary
Total employed	17,640	100.0	7.8	$23,700	19,452	100.0	7.4	$26,200
Physical scientists	4,124	23.4	8.4	23,500	3,787	19.5	6.8	26,000
Chemists	1,635	9.3	5.3	23,800	1,697	8.7	4.7	26,300
Physicists/astronomers	2,489	14.1	13.6	23,300	2,090	10.7	10.9	25,700
Mathematical scientists	505	2.9	4.0	23,900	572	2.9	4.1	27,500
Mathematicians	383	2.2	3.4	23,800	381	2.0	3.1	26,000
Statisticians	122	.7	8.2	(2)	191	1.0	10.7	30,200
Computer specialists	120	.7	4.1	(2)	211	1.1	5.8	24,800
Environmental scientists	1,967	11.2	18.7	23,900	2,230	11.5	17.9	27,400
Earth scientists	1,542	8.7	17.7	24,100	1,577	8.1	16.1	27,600
Oceanographers	174	1.0	14.9	23,000	239	1.2	18.1	28,500
Atmospheric scientists	251	1.4	36.7	23,800	414	2.1	30.9	27,100
Engineers	2,679	15.2	7.4	23,500	3,079	15.8	7.1	26,600
Life scientists	5,844	33.1	9.8	23,200	6,496	33.4	9.7	25,400
Biological scientists	3,315	18.8	8.9	22,900	3,535	18.2	8.8	25,200
Agricultural scientists	1,801	10.2	16.2	22,700	2,144	11.0	15.7	24,900
Medical scientists	728	4.1	6.7	26,500	817	4.2	6.1	28,900
Psychologists	960	5.4	3.7	24,800	979	5.0	3.2	26,700
Social scientists	1,441	8.2	4.8	27,300	2,098	10.8	5.8	28,900
Economists	650	3.7	7.4	26,800	965	5.0	9.4	27,700
Sociologists/anthropologists	79	.4	1.2	(2)	157	0.8	1.9	(2)
Other social scientists	712	4.0	5.0	27,900	976	5.0	5.6	30,800

[1] Civilian employees only.

[2] No median computed for groups with fewer than 20 individuals reporting salary.

NOTE: Medians computed only for full-time employed. Percents may not add to 100 because of rounding.

SOURCE: National Science Foundation

The proportional decline in Federal employment was especially evident among physicists/astronomers, who actually declined in *number* during the period. Scientists in other fields experiencing smaller than expected gains in numbers included mathematicians, earth scientists, biological scientists, and psychologists. On the other hand, substantial gains in numbers were registered by statisticians, computer specialists, atmospheric scientists, and social scientists in general, particularly sociologists/anthropologists.

The salary structure of federally employed doctoral scientists and engineers continued to be similar to that of their colleagues in the industrial sector. A comparison of salaries in these two employment sectors did reveal some salary differences. Specifically, statisticians, atmospheric scientists, agricultural scientists, and social scientists (other than economists and sociologists/anthropologists) in the Federal Government reflected median annual salaries higher than their counterparts in private industry, whereas the inverse relationship was true with respect to psychologists and economists. In other fields of science and in engineering, median annual salaries differed by less than 5 percent.

PRIMARY WORK ACTIVITY

As in business and industry, research and development were the dominant work activities of doctoral scientists and engineers in the Federal Government; in 1975 about 80 percent were so engaged, a slight increase over that in 1973. Few other significant changes were noted in the 2-year period. The proportion of individuals engaged in the *performance* of basic and applied research remained nearly equal, while other activities continued to play a minor role in the overall pattern of work activities.

Doctoral scientists and engineers employed by the Federal Government[1] by primary work activity: 1973 and 1975

Primary work activity	1973			1975		
	Number	Percent distribution	Percent of total employed	Number	Percent distribution	Percent of total employed
Total employed	17,640	100.0	7.8	19,452	100.0	7.4
Research & development	9,898	56.1	14.2	10,646	54.7	12.6
Basic research	4,666	26.5	14.5	4,768	24.5	12.2
Applied research	4,765	27.0	16.6	5,207	26.8	15.4
Development	467	2.6	5.4	671	3.4	5.8
Management or administration	5,391	30.6	13.3	6,258	32.2	11.8
Of R&D	3,878	22.0	17.2	4,824	24.8	16.5
Other than R&D	916	5.2	7.6	890	4.6	5.6
Of both	597	3.4	10.3	544	2.8	7.2
Teaching	236	1.3	.3	149	.8	.2
Consulting	120	.7	3.0	258	1.3	4.6
Sales/professional services	340	1.9	4.1	331	1.7	2.8
Other	809	4.6	11.7	1,274	6.5	16.6
No report	846	4.8	5.3	536	2.8	8.6

[1] Civilian employees only.

NOTE: Percents may not add to 100 becasue of rounding.

SOURCE: National Science Foundation

Characteristics of employed women doctoral scientists and engineers in the United States: 1973 and 1975

Characteristics	1973		1975	
	Number	Percent distribution	Number	Percent distribution
Total employed	17,341	100.0	22,450	100.0
Field				
Physical scientists	1,874	10.8	2,521	11.2
Chemists	1,449	8.4	2,050	9.1
Physicists and astronomers	425	2.5	471	2.1
Mathematical scientists	819	4.7	910	4.1
Mathematicians	742	4.3	827	3.7
Statisticians	77	.4	83	.4
Computer specialists	88	.5	143	.6
Environmental scientists	272	1.6	347	1.5
Earth scientists	210	1.2	251	1.1
Oceanographers	45	.3	63	.3
Atmospheric scientists	17	.1	33	.2
Engineers	139	.8	244	1.1
Life scientists	6,112	35.2	7,597	33.8
Biological scientists	4,922	28.4	5,861	26.1
Agricultural scientists	128	.7	168	.8
Medical scientists	1,062	6.1	1,568	7.0
Psychologists	4,992	28.8	6,458	28.8
Social scientists	3,032	17.5	4,214	18.8
Economists	509	2.9	624	2.8
Sociologists/anthropologists	1,254	7.2	1,724	7.7
Other social scientists	1,269	7.3	1,866	8.3
No report	13	.1	16	.1
Type of employer				
Business and industry	892	5.1	2,172	9.7
Educational institutions	12,258	70.7	15,746	70.1
4-year college/university	11,192	64.5	14,415	64.2

Characteristics	1973		1975	
	Number	Percent distribution	Number	Percent distribution
Type of employer – Con.				
2-year college	584	3.4	717	3.2
Elementary/secondary school	482	2.8	614	2.7
Hospital/clinic	1,171	6.8	1,784	7.9
Nonprofit organization	722	4.2	916	4.1
Federal Government	849	4.9	1,060	4.7
Military/Commissioned Corps	23	.1	31	.1
State government	279	1.6	415	1.8
Other government	199	1.1	247	1.1
Other	444	2.6	15	.1
No report	504	2.9	64	.3
Primary work activity				
Research and development	4,517	26.0	6,042	26.9
Basic research	3,403	19.6	4,497	20.0
Applied research	971	5.6	1,321	5.9
Development	143	.8	224	1.0
Management or administration	1,472	8.5	2,485	11.1
Of R&D	524	3.0	906	4.0
Other than R&D	699	4.0	1,155	5.1
Of both	249	1.4	424	1.9
Teaching	7,549	43.5	9,645	43.0
Consulting	324	1.9	420	1.9
Sales/professional services	1,686	9.7	2,379	10.6
Other	632	3.6	837	3.7
No report	1,161	6.7	642	2.9

SOURCE: National Science Foundation.

Section IV. EMPLOYED WOMEN

Between 1973 and 1975, the number of employed doctoral scientists and engineers grew by almost 36,000 from the 227,000 level reported in 1973, an increase of about 16 percent. The increase in the proportion of women in the *total population* reported earlier, was also reflected in the number of women in the *employed labor force*. Thus, the number of employed women during this 2-year period showed an increase of 29 percent, over twice the increase exhibited by men.

Salary

But while the relative number of women scientists and engineers holding doctorate degrees showed real gains between 1973 and 1975, their salaries, as compared with those of men, apparently did not. Between 1973 and 1975, the median annual salary of men (in current dollars) rose from $21,200 to $23,500, an increase of 11 percent. During the same period women's salaries rose from a median level of $17,600 in 1973 to $19,000 in 1975, an increase of 8 percent. As a result, women's salaries continued to lag behind those of men, and in fact, the overall numerical difference increased from $3,600 per year in 1973 to $4,500 per year in 1975. But although men's salaries exceeded those of women in all age groups, further examination reveals that between 1973 and 1975 the ratio of men's to women's salaries narrowed slightly in all age groups below 55 except for the 35 to 39 age group. This narrowing effect may signal a changing attitude on the part of both employers and younger Ph.D. scientists and engineers.

Number and median annual salaries of doctoral scientists and engineers, by age and sex: 1973 and 1975

Age	1973						1975						Numerical difference in salary (men/women)		Salary ratio (men/women)	
	Men			Women			Men			Women						
	Number	Percent	Median annual salary	Number	Percent	Median annual salary	Number	Percent	Median annual salary	Number	Percent	Median annual salary	1973	1975	1973	1975
Total	209,409	100.0	$21,200	17,341	100.0	$17,600	239,961	100.0	$23,500	22,450	100.0	$19,000	3,600	4,500	1.20	1.24
Under 30	9,162	4.4	15,600	1,049	6.0	14,100	8,194	3.4	17,200	1,561	7.0	15,900	1,500	1,300	1.11	1.08
30-34	47,847	22.8	17,600	3,688	21.3	15,000	51,362	21.4	19,000	5,042	22.5	16,800	2,600	2,200	1.17	1.13
35-39	40,878	19.5	19,800	2,826	16.3	17,000	51,031	21.3	21,800	4,133	18.4	18,300	2,800	3,500	1.16	1.19
40-44	33,889	16.2	22,300	2,499	14.4	18,000	38,563	16.1	24,500	2,812	12.5	19,900	4,300	4,600	1.24	1.23
45-49	27,903	13.3	24,600	2,539	14.6	18,800	31,616	13.2	26,600	2,968	13.2	21,300	5,800	5,300	1.31	1.25
50-54	22,506	10.7	25,400	1,809	10.4	19,600	26,773	11.2	28,600	2,443	10.9	22,300	5,800	6,300	1.30	1.28
55-59	14,262	6.8	25,800	1,402	8.1	20,400	17,202	7.2	28,600	1,489	6.6	21,600	5,400	7,000	1.26	1.32
60-64	8,035	3.8	26,500	815	4.7	20,800	10,238	4.3	29,200	1,155	5.1	22,700	5,700	6,500	1.27	1.29
65 & over	4,681	2.2	25,400	644	3.7	20,100	4,770	2.0	28,500	780	3.5	22,400	5,300	6,100	1.26	1.27
No report	246	.1	(1)	70	.4	(1)	212	.1	(1)	67	.3	(1)	(1)	(1)	(1)	(1)

[1] No median computed for groups with less than 20 individuals reporting salary.

NOTE: Median salaries computed only for full-time employed civilians. Percents may not add to 100 because of rounding.

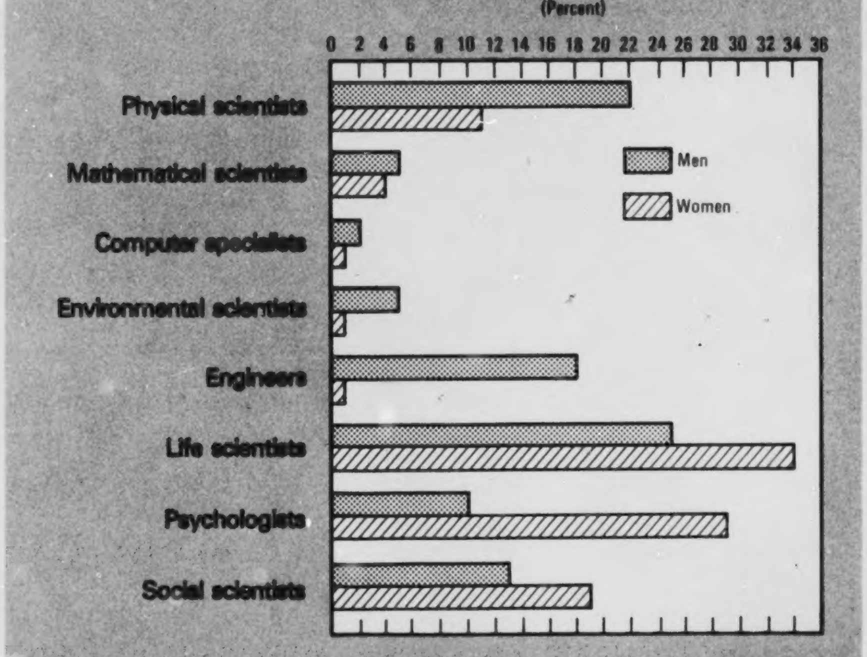
SOURCE: National Science Foundation and National Academy of Sciences/National Research Council

Field

The increase in the number of employed women Ph.D.-holders, which occurred between 1973 and 1975, was evident in all fields of science and engineering. Largest relative increases took place among atmospheric scientists, computer specialists, and engineers, although the number of women doctorate-holders employed in these fields has usually been, and continues to be, quite small. On the other hand, substantially smaller relative increases were noted in the number of employed women biological scientists and psychologists, the more traditional fields of employment among women. Thus, there is some evidence that women's interests and employment opportunities in science and engineering may be undergoing change with respect to fields of specialization at the advanced-degree level. Nevertheless, the overall distribution of women by field did not change materially between 1973 and 1975; the largest proportional change which did occur was that of biological scientists who accounted for 28 percent of all employed women in 1973 and 26 percent in 1975.

The employment distribution of women by field continues to be quite different from that of men. In 1975 engineers accounted for 18 percent of the employed male total as compared with slightly more than 1 percent of the female total. On the other hand, 29 percent of all employed women were psychologists, 3 times the ratio of employed men. Similarly, there were relatively more women life and social scientists than men.

Field distribution of employed doctoral scientists and engineers by sex: 1975



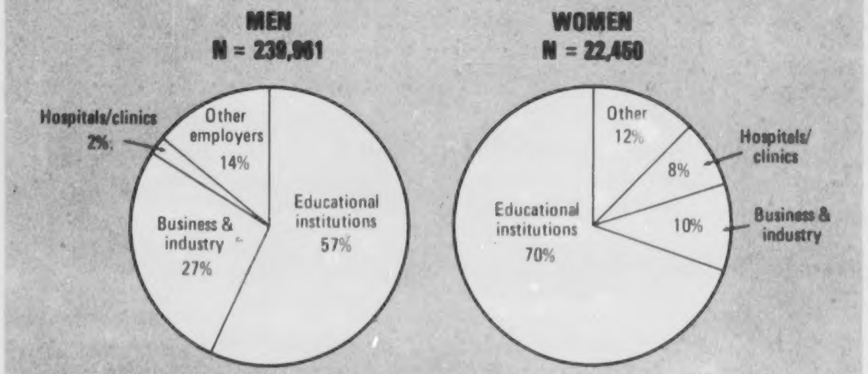
SOURCE: National Science Foundation

Type of Employer

The overall increase in industrial employment of doctoral scientists and engineers which took place between 1973 and 1975 was particularly evident among women. In 1973 about 5 percent of all employed women were affiliated with business and industry; in 1975 the proportion had virtually doubled. During this period, hospitals/clinics also registered a proportional increase while educational institutions continued to provide the largest source of employment, about 70 percent of the total employed. Gains registered by industry and by hospitals and clinics were offset by decreases in the "other" and "no report" categories.

In spite of this increase in industrial employment, the academic sector of the economy remained the main source of employment for women; and although more than one-half of all men were similarly employed, the pattern of employment for women continues to differ from that of men. In 1975 educational institutions and hospitals/clinics accounted for about 78 percent of all employed women as compared with about 60 percent of all employed men.

Doctoral scientists and engineers, by type of employer and sex: 1975

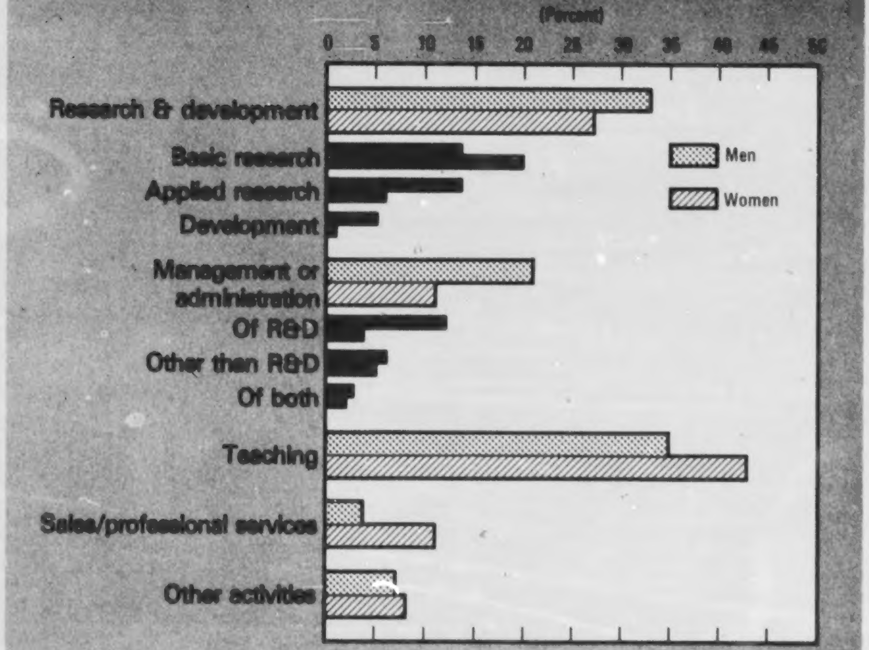


SOURCE: National Science Foundation

Primary Work Activity

In 1975, 43 percent of all employed women holding a doctoral degree in science or engineering were employed primarily in teaching activities. R&D activities (excluding R&D management) accounted for 27 percent while about 11 percent were in managerial positions. An additional 11 percent cited their primary work activities to consist of sales/professional services.

A comparison of the work activities of women with those of men reveals different patterns. A higher proportion of men, for example, were engaged in the performance of R&D activities than was the case among women; and while the number of men engaged in basic and applied research was nearly equal, more than three times as many women were engaged in basic research than in applied research. Men also held relatively twice as many managerial positions as women[15] who were much more extensively engaged in teaching and sales/professional services.



Primary work activity of doctoral scientists and engineers by sex: 1975

SOURCE: National Science Foundation

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[15] Although between 1973 and 1975, the proportion of women managers had increased.

APPENDIXES

A. Technical Notes

B. Detailed Statistical Tables

C. Reproduction of 1975 Questionnaire and Specialities List

APPENDIX A
Technical Notes

The Roster of Doctoral Scientists and Engineers was compiled from a number of sources, including: NAS-NRC's Doctorate Records File, an accumulated record of data of doctorate recipients from U.S. institutions; NSF's National Register of Scientific and Technical Personnel, which from 1954 through 1970 collected information on highly qualified personnel in science fields; *American Men and Women of Science*, 12th Edition; and numerous university and college catalogs. The 1975 Roster contained data on approximately 314,000 individuals of whom 291,000 had received science or engineering (S/E) doctorates from U.S. institutions, 13,000 were foreign doctorate-holders, and an additional 10,000 were individuals who had received their doctorate in nonscience and nonengineering (non-S/E) areas, but who were subsequently employed in an S/E position.

The 1975 Survey of Doctoral Scientists and Engineers was the second in a biennial series. The first, conducted in 1973, encompassed individuals who had received their doctorates between January 1, 1930 and June 30, 1972. NSF data resulting from the 1975 survey are based upon a comparable time span; i.e., individuals from the 1973 and 1974 graduating cohorts were added while those from the 1930 and 1931 cohorts were dropped. This universe is slightly smaller than that in the NAS-NRC report[1] on this survey which continued to take account of the 1930 and 1931 cohorts. The resulting numerical differences are outlined in table A-1 together with a comparison of NSF and NRC field classifications.

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[1] National Academy of Sciences, *Doctoral Scientists and Engineers in the United States: 1975 Profile*. (Washington, D.C. 1976).

Table A-1.—Number of doctoral scientists and engineers in the U.S., by NSF and NAS/NRC field classification: 1975

	NSF[1]		NAS/NRC[2]			
			Field of doctorate		Field of employment	
Field	Number	Percent	Number	Percent	Number	Percent
Total	277,517	100.0	[3]279,351	100.0	[4]279,351	100.0
Physical scientists	59,267	21.4	—	—	—	—
Chemists	38,784	14.0	43,248	15.5	33,077	11.8
Physicists/astronomers	20,483	7.4	25,085	9.0	17,880	6.4
Mathematical scientists	14,542	5.2	15,989	5.7	16,815	6.0
Mathematicians	12,729	4.6	—	—	—	—
Statisticians	1,813	.7	—	—	—	—
Computer specialists	3,662	1.3	—	—	—	—
Environmental scientists	12,783	4.6	8,813	3.2	12,149	4.3
Earth scientists	10,076	3.6	—	—	—	—
Oceanographers	1,353	.5	—	—	—	—
Atmospheric scientists	1,354	.5	—	—	—	—
Engineers	44,425	16.0	41,228	14.8	41,616	14.9
Life scientists	72,316	26.1	70,577	25.3	64,793	23.2
Biological scientists	43,754	15.8	50,085	17.9	38,294	13.7
Agricultural scientists	14,277	5.1	13,145	4.7	13,170	4.7
Medical scientists	14,285	5.1	7,347	2.6	13,329	4.8
Psychologists	31,613	11.4	29,435	10.5	28,901	10.3
Social scientists	30,251	13.8	39,273	14.1	31,380	11.2
Economists	11,049	4.0	—	—	—	—
Sociologists/anthropologists	8,775	3.2	—	—	—	—
Other social scientists	18,427	6.6	—	—	—	—
No report	658	.2	184	.1	3,422	1.2

[1] Includes 1932-74 cohorts.

[2] Includes 1930-74 cohorts.

[3] Total includes 5,519 individuals whose field of doctorate was not in science or engineering.

[4] Total includes 12,958 individuals employed in nonscience/nonengineering fields, and 16,360 individuals who were outside the labor force or unemployed and seeking employment.

NOTE: Percents may not add to 100 because of rounding.

SOURCE: National Science Foundation and National Academy of Sciences/National Research Council.

Table A-2—Classification scheme of 1975 Doctoral Roster Survey

	Total			U.S. S/E doctorates			Foreign doctorates			Non-S/E doctorates		
	Population	Sample	Percent	Population	Sample	Percent	Population	Sample	Percent	Population	Sample	Percent
TOTAL	314,002	66,779	21.3	291,397	56,488	19.4	12,569	5,326	42.4	10,036	4,965	49.5
SEX:												
Male	284,721	53,352	18.7	264,347	45,062	17.0	11,842	4,718	39.8	8,532	3,572	41.9
Female	29,281	13,427	45.9	27,050	11,426	42.2	727	608	83.6	1,504	1,393	92.6
RACIAL/ETHNIC IDENTIFICATION												
For 1973-74 U.S. doctorates in s/e:	-											
White/Caucasian	26,469	3,492	13.2	26,469	3,492	13.2	-	-	-	-	-	-
Oriental	3,341	1,381	41.3	3,341	1,381	41.3	-	-	-	-	-	-
Other Minorities	1,087	842	77.5	1,087	842	77.5	-	-	-	-	-	-
Unknown	8,116	1,916	23.6	8,116	1,916	23.6	-	-	-	-	-	-
Others*	274,989	59,148	21.5	252,384	48,857	19.4	12,569	5,326	42.4	10,036	4,965	49.5
FIELD:												
Mathematics	18,646	5,011	26.9	16,427	3,832	23.3	860	502	58.4	1,359	677	49.8
Physics	27,936	5,810	20.8	25,460	4,836	19.0	2,252	755	33.5	224	219	97.8
Chemistry	47,278	8,821	18.7	43,907	7,617	17.4	3,084	929	30.1	287	275	95.8
Earth sciences	9,758	2,194	22.5	9,156	1,790	19.6	563	370	65.7	39	34	87.2
Engineering	45,228	7,352	16.3	43,959	6,687	15.2	1,129	541	47.9	140	124	88.6
Biosciences	79,409	19,433	24.5	76,437	18,183	23.8	2,631	925	35.2	341	325	95.3
Psychology	36,195	7,910	21.9	30,761	5,703	18.5	549	404	73.6	4,885	1,803	36.9
Social sciences	48,276	9,397	19.5	45,290	7,840	17.3	1,129	585	51.8	1,857	972	52.4
Other/unknown	1,276	851	66.7	-	-	-	372	315	84.7	904	536	59.3
YEAR OF DOCTORATE:												
30-35	10,070	2,386	23.7	9,229	1,936	21.0	661	361	54.6	180	89	49.4
36-41	12,386	2,782	22.5	11,358	2,248	19.8	68[illegible]	368	53.6	341	166	48.7
42-45	6,592	1,773	26.9	6,027	1,433	23.8	336	222	66.1	229	118	51.5
46-49	10,245	2,351	23.0	9,219	1,840	20.0	631	324	51.4	395	187	47.4
50-53	22,063	4,256	19.3	19,895	3,356	16.9	1,189	458	38.5	979	442	45.2
54-57	25,267	4,839	19.2	22,672	3,824	16.9	1,538	515	33.5	1,057	500	47.3
58-61	26,416	5,729	21.7	23,619	4,669	19.8	1,868	602	32.2	929	458	49.3
62-63	17,943	4,692	26.2	16,050	3,881	24.2	1,154	453	39.3	739	358	48.4
64-65	22,654	5,486	24.2	20,189	4,457	22.1	1,351	507	37.5	1,114	522	46.9
66-67	27,667	6,245	22.6	25,029	5,053	20.2	1,310	511	39.0	1,328	681	51.3
68-69	33,587	6,976	20.8	31,268	5,822	18.6	855	412	48.2	1,464	742	50.7
70-71	39,541	7,553	19.1	38,048	6,651	17.5	213	200	93.9	1,280	702	54.8
72	19,827	3,731	18.8	19,781	3,687	18.6	45	44	97.8	1	-	-
73-74	39,053	7,666	19.6	39,013	7,631	19.6	40	35	87.5	-	-	-
Unknown	691	314	45.4	-	-	-	691	314	45.4	-	-	-

*Racial/Ethnic data are not available for pre-1973 Ph.D. recipients in science/engineering, foreign doctorates, or nonscience doctorates.
SOURCE: National Academy of Sciences - National Research Council

Survey Procedures

A sample of approximately 66,800 was selected for the 1975 survey. This sample was stratified according to (1) category within the 1975 roster (U.S. S/E doctorate-holders, foreign doctorate-holders, and non-S/E doctorate-holders), (2) sex, (3) field of doctorate, (4) year of doctorate, and (5) racial/ethnic identification.[2]

Category within the roster—Due to the procedures required to compile the roster, it was necessary to treat those individuals who received their degrees from U.S. institutions, those who held doctorates from foreign institutions, and those who held non-S/E doctorates as separate segments for sampling purposes.

Sex—The number of women doctorate-holders in science and engineering is significantly smaller than the number of men. This characteristic, therefore, was used to define a stratum, in order to ensure that women were adequately represented in the sample selected.

Field of doctorate—The major subject of an individual's doctorate represents the field of doctorate.

Year of the doctorate—Various years were grouped to form cohorts. Since the earlier classes had fewer graduates, a greater number of years were grouped to form cohorts. As the size of classes increased, the number of classes included in a cohort was decreased, culminating in the 1974 class which constitutes an individual cohort.

Racial/ethnic identification—This stratum was selected to ensure that racial/ethnic minorities would be adequately sampled. Racial/ethnic data were available only on the 1973 and 1974 cohorts.

Sampling and mailing—To ensure representativeness of small groups within the population, a variable sampling ratio was used. Thus, adequate representation of small cells within the stratification tables necessitated the inclusion of all available cases in those cells whereas larger cells did not need to be so heavily sampled to yield reliable statistics. Accordingly, as cell size increased, an increasing number, but decreasing percent of cases were included in the sample (table A-2).

Initial mailing of the questionnaire took place on May 31, 1975; followup mailings to those who had not yet responded were conducted in late July and late November. Results of the 1975 survey include all data received prior to March 31, 1976.

Response Rates

From the survey sample drawn, approximately 3,400 individuals were known to be deceased or otherwise outside the scope of the survey, resulting in an *active* sample of 63,364 individuals. Of this number, 4,584 could not be contacted; 14,959 did not respond to the survey; and 379 questionnaires were returned with information about deceased persons. The survey yielded an overall response rate of 69.2 percent of the active sample and 74.6 percent of those contacted and resulted in a total of 43,442 usable responses from members of the sample (table A-3).

Since the various cells in the sample were not equally represented, it was necessary to assign differential weights to achieve the statistics presented in this report, which are estimates of the total population, i.e., each response was weighted so that the statistics represent, as nearly as possible, the results which would have been obtained if the entire population had been surveyed.

Definitions

A copy of the questionnaire and accompanying material are included in appendix C. The following definitions are provided to permit the effective use of the data presented in the report.

Field of science or engineering—Derived from responses to question 10 which requested the name and code number of the specialty—selected from the Degree and Employment Specialties List included with the questionnaire—most closely related to the respondent's principal employment. The grouping of specialties to form *fields* was accomplished in conformance with the scheme presented in table A-4. Individuals failing to respond to question 10 were assigned the specialty of their doctorate degree listed in item 6.

This *field* definition, which is used in all of the statistical tables presented in this report, differs from the field definitions used by the Commission on Human Resources in reporting the results of this survey.[3] Care should therefore be exercised in comparing data from these sources.

Type of employer—Derived from question 8. The term "educational institutions" includes junior colleges, 2-year colleges, technical institutes, medical schools, 4-year colleges or universities, and elementary or secondary school systems.

Geographic location—Derived from responses to question 12 on the location of employment. Individuals not reporting place of employment or not employed were classified by their mailing address.

University or 4-year college teachers—Defined as those individuals who reported "4-year college or university, other than medical school" as their type of principal employer under question 8 and also reported "teaching" as their primary or secondary work activity under item 9.

Primary work activity—Derived from responses to question 9. The term "development" encompasses the development of equipment, products, systems or data. "Sales/professional services" includes sales, marketing, purchasing, estimating, and professional services to individuals, but excludes consulting which is treated as a separate work activity. The work activities listed under question 9 as "report or other technical writing, editing, production, quality control, inspection, and testing," have been aggregated with "other" to form a single category.

Race—Derived from responses to item 5. White/Caucasian includes East Indians.

Salaries—Derived from responses to question 13 which requested information regarding annual salary before deductions for income tax, social security, retirement, etc., but excluding bonuses, overtime, summer teaching or other payment for professional work. Salaries reported are median annual salareis, rounded to the nearest $100 and computed for full-time employed civilian scientists and engineers only. Differences between calendar year (11 to 12 months) and academic year (9 to 10 months) salaries for scientists and engineers employed in educational institutions have been accommodated by multiplying academic year salaries by eleven-ninths to adjust to a calendar-year scale.[4]

Topics of critical national interest—Derived from question 19. Responses to the category "Education-teaching" have been combined with "Other" to form a single category.

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[2] This stratum was introduced for the 1975 survey while "size of doctoral institution" was omitted.

[3] See table A-1.

[4] Except for table B-26 where salary base period is included as a variable.

Table A-3.—Population, sample and survey response—1975 1973-74 doctoral scientists and engineers

	DOCTORAL ROSTER TOTAL* N	TOTAL SAMPLE N	TOTAL SURVEY RESPONSES# N	RESPONSE RATES+	
				(A) %	(B) %
TOTAL	314002	66779	43821	69.2	74.6
FIELD OF PHD/EMPLOYMENT					
MATHEMATICS	18646	5011	3173	67.7	72.1
PHYSICS/ASTRONOMY	27936	5810	3825	68.4	73.5
CHEMISTRY	47278	8821	5967	70.6	76.6
EARTH SCIENCES	9758	2194	1535	73.4	78.0
ENGINEERING	45228	7352	4861	67.7	73.8
BIOSCIENCES	79409	19433	13371	71.4	76.7
PSYCHOLOGY	36195	7910	5083	68.8	74.1
SOCIAL SCIENCES	48276	9397	5613	65.0	70.2
NONSCIENCES/UNKNOWN	1276	851	393	63.0	74.2
YEAR OF PHD					
CY 1930-35	10070	2386	1263	67.1	75.6
CY 1936-41	12386	2782	1687	71.4	77.0
CY 1942-45	6592	1773	1165	72.9	77.7
CY 1946-49	10245	2351	1561	72.5	77.6
CY 1950-53	22063	4256	2857	72.0	77.1
CY 1954-57	25267	4839	3331	73.0	76.8
CY 1958-FY61	26416	5729	3808	69.7	73.8
FY 1962-63	17943	4692	3117	69.3	73.6
FY 1964-65	22654	5486	3544	67.4	73.1
FY 1966-67	27667	6245	4055	68.0	73.9
FY 1968-69	33587	6976	4556	68.1	73.6
FY 1970-71	39541	7553	5026	68.9	73.7
FY 1972	19827	3731	2607	70.0	76.0
FY 1973-74	39053	7666	5125	66.9	73.6
UNKNOWN	691	314	119	40.9	51.7
CATEGORY OF PHD					
U.S. SCIENCE	291397	56488	38168	69.6	74.5
U.S. NONSCIENCE **	10036	4965	2573	74.3	77.4
FOREIGN	12569	5326	3080	60.8	72.4
RACIAL/ETHNIC IDENTIFICATION					
PRE-FY1973-74 PHD**	274989	59148	38723	69.5	74.7
WHITE/CAUCASIAN	26469	3492	2667	76.4	81.1
ORIENTAL	3341	1381	749	54.3	60.9
OTHER MINORITIES	1097	842	524	62.3	68.0
UNKNOWN	8116	1916	1158	60.5	70.4
SEX					
MALE	284721	53352	35149	69.4	74.6
FEMALE	29281	13427	8672	68.3	74.4

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*FIGURES INCLUDE THOSE DECEASED AND THOSE EMPLOYED IN FOREIGN COUNTRIES AND HENCE EXCEED THE TOTAL POPULATION FIGURES REPORTED IN VARIOUS TABLES.

#FIGURES INCLUDE THE NUMBER KNOWN DECEASED FROM THE 1975 SURVEY.

+RATE "A" IS THE NUMBER OF 1975 SURVEY RESPONSES DIVIDED BY THE TOTAL SAMPLE MINUS "INACTIVE" SAMPLE MEMBERS. THE "INACTIVE" SAMPLE INCLUDES PERSONS KNOWN DECEASED PRIOR TO THE 1975 SURVEY, AND INDIVIDUALS WHO RESPONDED IN 1973 THAT THEY WERE OUTSIDE OF THE SCOPE OF THE SURVEY. RATE "B" IS THE NUMBER OF 1975 SURVEY RESPONSES DIVIDED BY THE TOTAL SAMPLE MINUS THOSE "INACTIVE" AND THOSE NOT CONTACTED.

**RACIAL/ETHNIC DATA ARE NOT AVAILABLE FOR THE PRE-FY1973-74 PH.D. RECIPIENTS.

SOURCE National Academy of Sciences/National Research Council

Table A.4.—Science and engineering field classification of specialties—1975 Doctoral Roster Survey

FIELD	Specialty code
All fields	000 to 799
Physical scientists	101 to 299
Chemists	200 to 299
Physicists and astronomers	101 to 199
Mathematical scientists	000 to 060 082 to 099
Mathematicians	000 to 052 060, 082 to 099
Statisticians	055
Computer specialists	080
Environmental scientists	301 to 399
Earth scientists	301 to 360 388, 389, 391 398, 399
Oceanographers	370,397
Atmospheric scientists	380
Engineers	400 to 499
Life scientists	500 to 579
Biological scientists	540 to 579
Agricultural scientists	500 to 519
Medical scientists	520 to 539
Psychologists	600 to 699
Social scientists	700 to 799
Economists	720, 725
Sociologists/ Anthropologists	700, 710
Other social scientists	703, 708, 709, 729, 740 to 799
Out of scope	841 to 899

Source: National Science Foundation

Sampling Errors

The statistics presented in this report are subject to error due to sampling. Although the data are based on a survey conducted in terms of a stratified sample, sampling errors presented below have been calculated assuming a simple random sample. Comparisons between sampling errors computed on this basis and those which take stratification into account are presented in a recent NAS/NRC report[5] based on the 1975 survey. In that analysis it was determined that for most variables, the differences between the two errors are small and that a useful approximation of the sampling error appropriate to the *proportions* of the variable-designated categories appearing in this report is provided by the following formula:

$$\sqrt{\frac{N-n}{N-1}} \cdot \sqrt{\frac{p(1-P)}{n}}$$

Since the finite population correction factor $\left[\sqrt{\frac{N-n}{N-1}}\right]$ has a negligible effect on most statistics, it has been omitted from calculations which appear in this report. Thus, the sampling errors reported in the following tables were computed on the basis of approximations and should therefore be considered estimates rather than precise measurements.

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[5] National Academy of Sciences, *op. cit.*

Sampling errors at the 90-percent level of confidence for doctoral scientists and engineers: 1975

Total population and employed labor force

Size of estimate	Estimated sampling error
100	40
200	60
500	100
1,000	140
2,000	190
5,000	300
10,000	420
15,000	520
20,000	590
30,000	710
40,000	800
50,000	880
75,000	1,010
100,000	1,040
150,000	1,130
200,000	1,020
250,000	650

Base of percent	Estimated percent					
	1/99	2/98	5/95	10/90	25/75	50
500	1.9	2.7	4.2	5.8	3.4	9.7
1,000	1.4	1.9	3.0	4.1	5.9	6.8
2,000	1.0	1.4	2.1	2.9	4.2	4.8
5,000	.61	.86	1.3	1.8	2.6	3.1
10,000	.43	.61	.94	1.3	1.9	2.2
15,000	.35	.49	.77	1.1	1.5	1.8
20,000	.30	.43	.67	.92	1.3	1.5
30,000	.23	.35	.54	.75	1.1	1.2
40,000	.21	.30	.47	.65	.94	1.1
50,000	.19	.27	.42	.58	.84	1.0
75,000	.16	.22	.34	.47	.68	.79
100,000	.14	.19	.30	.41	.59	.68
150,000	.11	.16	.24	.33	.48	.56
200,000	.10	.13	.21	.29	.42	.48
250,000	.09	.12	.19	.26	.37	.43
277,500	.08	.11	.18	.25	.36	.41

Employed in educational institutions

Size of estimate	Estimated sampling error
100	40
200	60
500	100
1,000	130
2,000	190
5,000	300
10,000	410
15,000	490
20,000	560
30,000	660
40,000	730
50,000	780
75,000	830
100,000	800
125,000	640

Base of percent	Estimated percent					
	1/99	2/98	5/95	10/90	25/75	50
500	1.9	2.7	4.1	5.7	8.2	9.5
1,000	1.3	1.9	2.9	4.0	5.8	6.7
2,000	.94	1.3	2.1	2.8	4.1	4.7
5,000	.60	.84	1.3	1.8	2.6	3.0
10,000	.42	.59	.92	1.3	1.8	2.1
15,000	.34	.48	.75	1.0	1.5	1.7
20,000	.31	.42	.65	.90	1.3	1.5
30,000	.24	.34	.53	.73	1.1	1.2
40,000	.21	.30	.46	.64	.92	1.1
50,000	.19	.27	.41	.57	.82	.95
75,000	.15	.22	.34	.46	.67	.77
100,000	.13	.19	.29	.40	.58	.67
125,000	.12	.17	.26	.36	.52	.60
153,200	.11	.15	.24	.32	.47	.54

Employed in business and industry

Size of estimate	Estimated sampling error
100	50
200	70
500	100
1,000	150
2,000	200
5,000	320
10,000	430
15,000	500
20,000	550
30,000	600
40,000	580
50,000	510
60,000	340

Base of percent	Estimated percent					
	1/99	2/98	5/95	10/90	25/75	50
500	2.1	2.9	4.5	6.2	9.0	10.4
1,000	1.5	2.1	3.2	4.4	6.4	7.4
2,000	1.0	1.5	2.3	3.1	4.5	5.2
5,000	.65	.92	1.4	2.0	2.8	3.3
10,000	.46	.65	1.0	1.4	2.0	2.3
15,000	.38	.53	.83	1.1	1.6	1.9
20,000	.33	.46	.72	1.0	1.4	1.6
30,000	.27	.38	.59	.81	1.2	1.3
40,000	.23	.33	.51	.70	1.0	1.2
50,000	.21	.29	.45	.62	.90	1.0
60,000	.19	.27	.41	.57	.82	.95
65,900	.18	.25	.40	.54	.79	.91

Employed by the Federal Government

Size of estimate	Estimated sampling error
100	40
200	60
500	100
1,000	140
2,000	190
5,000	270
10,000	310
15,000	260

Base of percent	Estimated percent					
	1/99	2/98	5/95	10/90	25/75	50
500	2.0	2.8	4.4	6.0	8.7	10.0
1,000	1.4	2.0	3.1	4.2	6.1	7.1
2,000	1.0	1.4	2.2	3.0	4.3	5.0
5,000	.63	.89	1.4	1.9	2.7	3.2
10,000	.44	.63	.98	1.3	1.9	2.2
15,000	.36	.51	.80	1.1	1.6	1.8
19,500	.32	.45	.70	.96	1.4	1.6

Employed women

Size of estimate	Estimated sampling error
100	30
200	40
500	70
1,000	90
2,000	130
5,000	190
10,000	220
15,000	210
20,000	140

Base of percent	Estimated percent					
	1/99	2/98	5/95	10/90	25/75	50
500	1.3	1.9	2.9	4.0	5.7	6.6
1,000	.93	1.3	2.0	2.8	4.1	4.7
2,000	.66	.93	1.4	2.0	2.9	3.3
5,000	.42	.59	.92	1.3	1.8	2.1
10,000	.30	.41	.65	.89	1.3	1.5
15,000	.24	.34	.53	.73	1.0	1.2
20,000	.21	.29	.46	.63	.91	1.0
22,400	.20	.28	.43	.59	.86	.99

Total Population

Physical scientists, chemists, physicists/astronomers

Size of estimate	Estimated sampling error
100	40
200	60
500	100
1,000	140
2,000	200
5,000	300
10,000	410
15,000	470
20,000	510
30,000	540
40,000	510
50,000	390

Mathematical scientists, mathematicians, medical scientists

Size of estimate	Estimated sampling error
100	40
200	60
500	90
1,000	120
2,000	170
5,000	230
10,000	220

Environmental scientists, computer specialists, earth scientists

Size of estimate	Estimated sampling error
100	40
200	60
500	90
1,000	130
2,000	170
5,000	240
10,000	200

Statisticians, oceanographers, atmospheric scientists

Size of estimate	Estimated sampling error
100	40
200	60
500	80
1,000	90

Engineers

Size of estimate	Estimated sampling error
100	50
200	70
500	110
1,000	150
2,000	210
5,000	330
10,000	430
15,000	490
20,000	510
30,000	480
40,000	310

Life scientists

Size of estimate	Estimated sampling error
100	40
200	60
500	90
1,000	120
2,000	180
5,000	270
10,000	370
15,000	430
20,000	480
30,000	530
40,000	530
50,000	500
60,000	400

Biological scientists

Size of estimate	Estimated sampling error
100	40
200	50
500	90
1,000	120
2,000	170
5,000	260
10,000	340
15,000	380
20,000	400
30,000	380
40,000	230

Agricultural scientists

Size of estimate	Estimated sampling error
100	50
200	70
500	100
1,000	140
2,000	190
5,000	260
10,000	250

Psychologists

Size of estimate	Estimated sampling error
100	40
200	60
500	100
1,000	130
2,000	190
5,000	280
10,000	360
15,000	380
20,000	370

Social scientists, economists, sociologists/anthropologists

Size of estimate	Estimated sampling error
100	50
200	70
500	100
1,000	140
2,000	200
5,000	310
10,000	400
15,000	450
20,000	460
30,000	380

Other social scientists

Size of estimate	Estimated sampling error
100	50
200	60
500	100
1,000	140
2,000	190
5,000	280
10,000	310
15,000	240

APPENDIX B
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TABLE B-1. CHARACTERISTICS OF DOCTORAL SCIENTISTS AND ENGINEERS IN THE UNITED STATES: 1975

CHARACTERISTICS	NUMBER	PERCENT
TOTAL	277,517	100.0
FIELD		
PHYSICAL SCIENTISTS	59,267	21.4
CHEMISTS	38,784	14.0
PHYSICISTS/ASTRONOMERS	20,483	7.4
MATHEMATICAL SCIENTISTS	14,542	5.2
MATHEMATICIANS	12,729	4.6
STATISTICIANS	1,813	.7
COMPUTER SPECIALISTS	3,662	1.3
ENVIRONMENTAL SCIENTISTS	12,783	4.6
EARTH SCIENTISTS	10,076	3.6
OCEANOGRAPHERS	1,353	.5
ATMOSPHERIC SCIENTISTS	1,354	.5
ENGINEERS	44,425	16.0
LIFE SCIENTISTS	72,316	26.1
BIOLOGICAL SCIENTISTS	43,754	15.8
AGRICULTURAL SCIENTISTS	14,277	5.2
MEDICAL SCIENTISTS	14,285	5.2
PSYCHOLOGISTS	31,613	11.4
SOCIAL SCIENTISTS	38,251	13.8
ECONOMISTS	11,049	4.0
SOCIOLOGISTS/ANTHRO	8,775	3.2
OTHER SOCIAL SCIENTISTS	18,427	6.6
NO REPORT	658	.2
SEX		
MEN	251,399	90.6
WOMEN	26,118	9.4
CITIZENSHIP		
USA	261,453	94.2
FOREIGN	15,586	5.6
NO REPORT	478	.2
RACE		
WHITE/CAUCASIAN	247,723	89.3
BLACK/NEGRO	2,653	1.0
AMERICAN INDIAN	451	.2
ASIAN	13,491	4.9
OTHER	214	.1
NO REPORT	12,985	4.7
AGE (MEDIAN AGE 41)		
24 OR UNDER	30	*
25-29	10,026	3.6
30-34	58,168	21.0
35-39	56,229	20.3
AGE (CONTINUED)		
40-44	42,004	15.1
45-49	35,233	12.7
50-54	29,921	10.8
55-59	19,452	7.0
60-64	12,754	4.6
65-69	7,804	2.8
70 OR OVER	5,452	2.0
NO REPORT	444	.2
EMPLOYMENT STATUS		
FULL-TIME EMPLOYED	246,624	88.9
SCIENCE/ENGINEERING	233,550	84.2
NONSCIENCE/ENGINEERING	13,074	4.7
PART-TIME EMPLOYED	7,439	2.7
SCIENCE/ENGINEERING	6,522	2.4
NONSCIENCE/ENGINEERING	917	.3
POSTDOCTORATE	8,348	3.0
NOT EMPLOYED/SEEKING	2,533	.9
NOT EMPLOYED/NOT SEEKING	2,425	.9
RETIRED	9,205	3.3
OTHER	447	.2
NO REPORT	496	.2
TYPE OF EMPLOYER		
BUSINESS/INDUSTRY	65,876	23.7
EDUCATIONAL INSTITUTIONS	153,249	55.2
4-YEAR COLLEGES/UNIV	147,633	53.2
2-YEAR COLLEGES	3,674	1.3
ELEMENTARY/SEC. SCHOOLS	1,942	.7
HOSPITALS/CLINICS	7,586	2.7
NONPROFIT ORGANIZATIONS	8,510	3.1
FEDERAL GOVERNMENT	19,452	7.0
MILITARY/COMM. CORPS	2,182	.8
STATE GOVERNMENT	3,110	1.1
OTHER GOVERNMENT	2,011	.7
OTHER	86	*
NOT EMPLOYED	15,106	5.4
NO REPORT	349	.1
PRIMARY WORK ACTIVITY		
RESEARCH AND DEVELOPMENT	84,510	30.5
BASIC RESEARCH	39,121	14.1
APPLIED RESEARCH	33,779	12.2
DEVELOPMENT	11,610	4.2
MANAGEMENT/ADMINISTRATION	52,838	19.0
OF R&D	29,286	10.6
OF OTHER THAN R&D	16,023	5.8
OF BOTH	7,529	2.7
PRIMARY WORK ACTIVITY (CON)		
TEACHING	93,665	33.8
CONSULTING	5;655	2.0
SALES/PROF. SERVICES	11,824	4.3
OTHER	7,691	2.8
NOT EMPLOYED	15,106	5.4
NO REPORT	6,228	2.2
YEARS OF PROF. EXPERIENCE		
1 OR LESS YEARS	3,307	1.2
2-4 YEARS	30,471	11.1
5-9 YEARS	62,565	22.6
10-14 YEARS	48,658	17.5
15-19 YEARS	36,670	13.2
20-24 YEARS	32,652	11.8
25-29 YEARS	22,713	8.2
30-34 YEARS	13,486	4.9
35-39 YEARS	9,799	3.5
40 OR MORE YEARS	7,882	2.8
NO REPORT	9,314	3.4
FEDERAL SUPPORT		
RECEIVING SUPPORT	112,969	40.7
NO SUPPORT	140,250	50.5
STATUS UNKNOWN	6,809	2.5
NOT EMPLOYED	15,106	5.4
NO REPORT	2,383	.9
AREA OF NATIONAL INTEREST		
EDUCATION, OTHER THAN TEACHING	13,391	4.8
HEALTH	40,377	14.6
DEFENSE	13,301	4.8
ENVIRONMENTAL/POLLUTION	16,196	5.8
SPACE	3,946	1.4
CRIME PREVENTION/CONTROL	2,150	.8
FOOD PRODUCTION/TECH	13,395	4.8
ENERGY AND FUEL	20,816	7.5
OTHER MINERAL RESOURCES	1,691	.6
COMMUNITY DEV./SERVICES	3,724	1.4
HOUSING	713	.3
TRANSP/COMMUNICATIONS	4,546	1.6
OTHER	96,063	34.6
NOT EMPLOYED	15,106	5.4
NO REPORT	32,102	11.6

* LESS THAN 0.1 PERCENT

NOTE: PERCENTS MAY NOT ADD TO 100 BECAUSE OF ROUNDING

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-2. SALARY DISTRIBUTION OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD: 1975

FIELD	LOWER DECILE	LOWER QUARTILE	MEDIAN	UPPER QUARTILE	UPPER DECILE
TOTAL	$16,100	$18,900	$23,100	$28,600	$35,200
PHYSICAL SCIENTISTS.......	16,300	19,400	23,900	29,100	35,700
CHEMISTS.................	16,400	19,500	24,000	29,300	36,100
PHYSICISTS/ASTRONOMERS...	16,200	19,300	23,600	28,900	34,800
MATHEMATICAL SCIENTISTS...	15,100	17,700	21,200	26,400	32,900
MATHEMATICIANS............	15,000	17,500	20,900	26,000	32,400
STATISTICIANS............	16,100	18,600	23,100	28,800	35,100
COMPUTER SPECIALISTS......	15,800	19,300	23,400	28,600	35,000
ENVIRONMENTAL SCIENTISTS..	16,400	18,900	23,400	28,700	35,600
EARTH SCIENTISTS.........	16,500	19,000	23,500	28,900	35,800
OCEANOGRAPHERS............	15,500	17,700	22,100	28,100	34,200
ATMOSPHERIC SCIENTISTS...	17,700	20,700	24,100	27,900	35,400
ENGINEERS.................	18,700	21,400	25,200	30,200	36,400
LIFE SCIENTISTS...........	15,700	18,300	22,200	27,700	34,500
BIOLOGICAL SCIENTISTS....	15,200	17,800	21,300	26,300	32,300
AGRICULTURAL SCIENTISTS..	16,300	18,500	22,000	26,600	32,400
MEDICAL SCIENTISTS.......	17,000	20,300	25,700	33,100	40,500
PSYCHOLOGISTS.............	15,600	18,200	22,000	26,900	33,500
SOCIAL SCIENTISTS.........	15,600	18,100	22,100	28,100	34,400
ECONOMISTS...............	17,800	20,200	24,600	30,800	38,900
SOCIOLOGISTS/ANTHRO......	15,200	17,400	20,700	26,000	31,700
OTHER SOCIAL SCIENTISTS..	15,100	17,500	21,200	26,600	32,600
NO REPORT.................	18,400	19,600	25,900	31,100	33,700

NOTE: MEDIAN SALARIES COMPUTED ONLY FOR FULL-TIME EMPLOYED CIVILIANS

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-3. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD AND CITIZENSHIP: 1975

FIELD	TOTAL	USA	NON-USA	NO REPORT
TOTAL....................	277,517	261,453	15,586	478
PHYSICAL SCIENTISTS.......	59,267	55,353	3,833	81
CHEMISTS.................	38,784	36,520	2,206	58
PHYSICISTS/ASTRONOMERS...	20,483	18,833	1,627	23
MATHEMATICAL SCIENTISTS...	14,542	13,559	959	24
MATHEMATICIANS...........	12,729	11,845	860	24
STATISTICIANS............	1,813	1,714	99	*
COMPUTER SPECIALISTS......	3,662	3,439	220	3
ENVIRONMENTAL SCIENTISTS..	12,783	11,972	811	*
EARTH SCIENTISTS.........	10,076	9,480	596	*
OCEANOGRAPHERS...........	1,353	1,271	82	*
ATMOSPHERIC SCIENTISTS...	1,354	1,221	133	*
ENGINEERS.................	44,425	40,844	3,536	45
LIFE SCIENTISTS...........	72,316	68,231	3,972	113
BIOLOGICAL SCIENTISTS....	43,754	41,213	2,464	77
AGRICULTURAL SCIENTISTS..	14,277	13,709	557	11
MEDICAL SCIENTISTS.......	14,285	13,309	951	25
PSYCHOLOGISTS.............	31,613	31,084	489	40
SOCIAL SCIENTISTS.........	38,251	36,323	1,756	172
ECONOMISTS...............	11,049	10,323	669	57
SOCIOLOGISTS/ANTHRO......	8,775	8,401	326	48
OTHER SOCIAL SCIENTISTS..	18,427	17,599	761	67
NO REPORT.................	658	648	10	*

* NO CASES REPORTED

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-4. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS BY FIELD, SEX, RACE, AND EMPLOYMENT STATUS: 1975

		EMPLOYED FULL-TIME			EMPLOYED PART-TIME								
FIELD, SEX, AND RACE	TOTAL	TOTAL	SCI/ ENG.	NON-SCI/ ENG.	TOTAL	SCI/ ENG.	NON-SCI/ ENG.	POST-DOC-TORAL	UNEMP/ SEEKING EMP.	UNEMP/ NOT SEEKING EMP.	RE-TIRED	OTHER	NO REPORT
ALL FIELDS													
TOTAL	277,517	246,624	233,550	13,074	7,439	6,522	917	8,348	2,533	2,425	9,205	447	496
SEX													
MEN	251,399	228,784	216,840	11,944	4,473	3,868	605	6,704	1,844	1,103	7,767	327	397
WOMEN	26,118	17,840	16,710	1,130	2,966	2,654	312	1,644	689	1,322	1,438	120	99
RACE													
WHITE/CAUCASIAN	247,723	220,975	209,091	11,884	6,767	5,950	817	6,780	2,184	2,143	8,058	396	420
BLACK/NEGRO	2,653	2,388	2,116	272	61	50	11	75	24	47	52	6	*
AMERICAN INDIAN	451	405	385	20	27	27	*	4	13	2	*	*	*
ASIAN	13,491	11,700	11,385	315	226	199	27	1,210	206	92	35	5	17
OTHER	214	196	173	23	7	7	*	3	*	5	*	3	*
NO REPORT	12,985	10,960	10,400	560	351	289	62	276	106	136	1,060	37	59
PHYSICAL SCIENTISTS													
TOTAL	59,267	51,669	48,042	3,627	1,249	940	309	2,555	788	492	2,336	105	73
SEX													
MEN	56,170	49,763	46,315	3,448	894	656	238	2,295	666	235	2,158	94	65
WOMEN	3,097	1,906	1,727	179	355	284	71	260	122	257	178	11	8
RACE													
WHITE/CAUCASIAN	53,127	46,699	43,320	3,379	1,125	838	287	1,964	654	437	2,096	93	59
BLACK/NEGRO	572	492	435	57	13	2	11	25	10	19	13	*	*
AMERICAN INDIAN	54	53	53	*	*	*	*	1	*	*	*	*	*
ASIAN	3,045	2,377	2,319	58	60	59	1	478	99	24	*	1	6
OTHER	18	18	18	*	*	*	*	*	*	*	*	*	*
NO REPORT	2,451	2,030	1,897	133	51	41	10	87	25	12	227	11	8
CHEMISTS													
TOTAL	38,784	33,846	31,322	2,524	865	652	213	1,513	418	330	1,685	77	50
SEX													
MEN	36,282	32,314	29,946	2,368	575	428	147	1,285	336	113	1,550	67	42
WOMEN	2,502	1,532	1,376	156	290	224	66	228	82	217	135	10	8
RACE													
WHITE/CAUCASIAN	34,914	30,730	28,382	2,348	771	580	191	1,175	347	287	1,503	65	36
BLACK/NEGRO	458	412	355	57	13	2	11	3	*	19	11	*	*
AMERICAN INDIAN	41	40	40	*	*	*	*	1	*	*	*	*	*
ASIAN	1,905	1,465	1,429	36	52	51	1	302	59	20	*	1	6
OTHER	2	2	2	*	*	*	*	*	*	*	*	*	*
NO REPORT	1,464	1,197	1,114	83	29	19	10	32	12	4	171	11	8
PHYSICISTS/ASTRONOMERS													
TOTAL	20,483	17,823	16,720	1,103	384	288	96	1,042	370	162	651	28	23
SEX													
MEN	19,888	17,449	16,369	1,080	319	228	91	1,010	330	122	608	27	23
WOMEN	595	374	351	23	65	60	5	32	40	40	43	1	*
RACE													
WHITE/CAUCASIAN	18,213	15,969	14,938	1,031	354	258	96	789	307	150	593	28	23
BLACK/NEGRO	114	80	80	*	*	*	*	22	10	*	2	*	*
AMERICAN INDIAN	13	13	13	*	*	*	*	*	*	*	*	*	*
ASIAN	1,140	912	890	22	8	8	*	176	40	4	*	*	*
OTHER	16	16	16	*	*	*	*	*	*	*	*	*	*
NO REPORT	987	833	783	50	22	22	*	55	13	8	56	*	*
MATHEMATICAL SCIENTISTS													
TOTAL	14,542	13,495	12,963	532	306	280	26	141	99	100	365	14	22
SEX													
MEN	13,495	12,700	12,208	492	202	187	15	130	80	54	299	14	16
WOMEN	1,047	795	755	40	104	93	11	11	19	46	66	*	6
RACE													
WHITE/CAUCASIAN	12,786	11,885	11,394	491	275	249	26	106	91	98	298	11	22
BLACK/NEGRO	106	93	93	*	4	4	*	2	*	*	7	*	*
AMERICAN INDIAN	21	21	21	*	*	*	*	*	*	*	*	*	*
ASIAN	726	660	658	2	21	21	*	33	8	2	2	*	*
OTHER	3	*	*	*	*	*	*	*	*	*	*	3	*
NO REPORT	900	836	797	39	6	6	*	*	*	*	58	*	*
MATHEMATICIANS													
TOTAL	12,729	11,756	11,251	505	268	242	26	126	97	93	353	14	22
SEX													
MEN	11,774	11,027	10,562	465	181	166	15	115	80	54	287	14	16
WOMEN	955	729	689	40	87	76	11	11	17	39	66	*	6
RACE													
WHITE/CAUCASIAN	11,153	10,318	9,849	469	240	214	26	95	89	92	286	11	22
BLACK/NEGRO	100	87	87	*	4	4	*	2	*	*	7	*	*
AMERICAN INDIAN	11	11	11	*	*	*	*	*	*	*	*	*	*
ASIAN	638	580	578	2	18	18	*	29	8	1	2	*	*
OTHER	3	*	*	*	*	*	*	*	*	*	*	3	*
NO REPORT	824	760	726	34	6	6	*	*	*	*	58	*	*
STATISTICIANS													
TOTAL	1,813	1,739	1,712	27	38	38	*	15	2	7	12	*	*
SEX													
MEN	1,721	1,673	1,646	27	21	21	*	15	*	*	12	*	*
WOMEN	92	66	66	*	17	17	*	*	2	7	*	*	*
RACE													
WHITE/CAUCASIAN	1,633	1,567	1,545	22	35	35	*	11	2	6	12	*	*
BLACK/NEGRO	6	6	6	*	*	*	*	*	*	*	*	*	*
AMERICAN INDIAN	10	10	10	*	*	*	*	*	*	*	*	*	*
ASIAN	88	80	80	*	3	3	*	4	*	1	*	*	*
OTHER	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT	76	76	71	5	*	*	*	*	*	*	*	*	*
COMPUTER SPECIALISTS													
TOTAL	3,662	3,599	3,568	31	56	56	*	2	1	1	*	*	3
SEX													
MEN	3,515	3,465	3,436	29	49	49	*	*	1	*	*	*	*
WOMEN	147	134	132	2	7	7	*	2	*	1	*	*	3
RACE													
WHITE/CAUCASIAN	3,281	3,225	3,194	31	53	53	*	2	*	1	*	*	*
BLACK/NEGRO	33	32	32	*	*	*	*	*	1	*	*	*	*
AMERICAN INDIAN	3	3	3	*	*	*	*	*	*	*	*	*	*
ASIAN	189	183	183	*	3	3	*	*	*	*	*	*	3
OTHER	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT	156	156	156	*	*	*	*	*	*	*	*	*	*

* NO CASES REPORTED

TABLE B-4. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS BY FIELD, SEX, RACE, AND EMPLOYMENT STATUS: 1975
CONTINUED

FIELD, SEX, AND RACE	TOTAL	EMPLOYED FULL-TIME TOTAL	EMPLOYED FULL-TIME SCI/ENG.	EMPLOYED FULL-TIME NON-SCI/ENG.	EMPLOYED PART-TIME TOTAL	EMPLOYED PART-TIME SCI/ENG.	EMPLOYED PART-TIME NON-SCI/ENG.	POST-DOC-TORAL	UNEMP/SEEKING EMP.	UNEMP/NOT SEEKING EMP.	RE-TIRED	OTHER	NO REPORT
ENVIRONMENTAL SCIENTISTS													
TOTAL....................	12,783	11,778	11,514	264	377	358	19	286	91	30	206	5	10
SEX													
MEN....................	12,404	11,513	11,252	261	315	296	19	266	83	21	193	5	8
WOMEN....................	379	265	262	3	62	62	*	20	8	9	13	*	2
RACE													
WHITE/CAUCASIAN........	11,879	10,982	10,719	263	347	328	19	254	85	30	166	5	10
BLACK/NEGRO............	41	41	41	*	*	*	*	*	*	*	*	*	*
AMERICAN INDIAN........	1	1	1	*	*	*	*	*	*	*	*	*	*
ASIAN..................	322	273	273	*	9	9	*	30	4	*	6	*	*
OTHER..................	7	7	6	1	*	*	*	*	*	*	*	*	*
NO REPORT..............	533	474	474	*	21	21	*	2	2	*	34	*	*
EARTH SCIENTISTS													
TOTAL....................	10,076	9,276	9,024	252	333	314	19	172	67	20	198	*	10
SEX													
MEN....................	9,797	9,075	8,826	249	293	274	19	162	59	13	187	*	8
WOMEN....................	279	201	198	3	40	40	*	10	8	7	11	*	2
RACE													
WHITE/CAUCASIAN........	9,461	8,739	8,488	251	312	293	19	150	66	20	164	*	10
BLACK/NEGRO............	41	41	41	*	*	*	*	*	*	*	*	*	*
AMERICAN INDIAN........	1	1	1	*	*	*	*	*	*	*	*	*	*
ASIAN..................	184	157	157	*	6	6	*	20	1	*	*	*	*
OTHER..................	7	7	6	1	*	*	*	*	*	*	*	*	*
NO REPORT..............	382	331	331	*	15	15	*	2	*	*	34	*	*
OCEANOGRAPHERS													
TOTAL....................	1,353	1,269	1,259	10	25	25	*	26	24	2	2	5	*
SEX													
MEN....................	1,286	1,230	1,220	10	10	10	*	17	24	*	*	5	*
WOMEN....................	67	39	39	*	15	15	*	9	*	2	2	*	*
RACE													
WHITE/CAUCASIAN........	1,240	1,161	1,151	10	25	25	*	26	19	2	2	5	*
BLACK/NEGRO............	*	*	*	*	*	*	*	*	*	*	*	*	*
AMERICAN INDIAN........	*	*	*	*	*	*	*	*	*	*	*	*	*
ASIAN..................	51	48	48	*	*	*	*	*	3	*	*	*	*
OTHER..................	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT..............	62	60	60	*	*	*	*	*	2	*	*	*	*
ATMOSPHERIC SCIENTISTS													
TOTAL....................	1,354	1,233	1,231	2	19	19	*	88	*	8	6	*	*
SEX													
MEN....................	1,321	1,208	1,206	2	12	12	*	87	*	8	6	*	*
WOMEN....................	33	25	25	*	7	7	*	1	*	*	*	*	*
RACE													
WHITE/CAUCASIAN........	1,178	1,082	1,080	2	10	10	*	78	*	8	*	*	*
BLACK/NEGRO............	*	*	*	*	*	*	*	*	*	*	*	*	*
AMERICAN INDIAN........	*	*	*	*	*	*	*	*	*	*	*	*	*
ASIAN..................	87	68	68	*	3	3	*	10	*	*	6	*	*
OTHER..................	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT..............	89	83	83	*	6	6	*	*	*	*	*	*	*
ENGINEERS													
TOTAL....................	44,425	42,516	41,012	1,504	607	562	45	233	287	114	603	37	28
SEX													
MEN....................	44,137	42,301	40,799	1,502	586	542	44	225	283	89	595	33	25
WOMEN....................	288	215	213	2	21	20	1	8	4	25	8	4	3
RACE													
WHITE/CAUCASIAN........	38,227	36,572	35,209	1,363	574	529	45	128	263	101	536	33	20
BLACK/NEGRO............	145	140	138	2	*	*	*	*	5	*	*	*	*
AMERICAN INDIAN........	53	53	53	*	*	*	*	*	*	*	*	*	*
ASIAN..................	4,285	4,139	4,058	81	21	21	*	90	17	6	*	4	8
OTHER..................	31	31	31	*	*	*	*	*	*	*	*	*	*
NO REPORT..............	1,684	1,581	1,523	58	12	12	*	15	2	7	67	*	*
LIFE SCIENTISTS													
TOTAL....................	72,316	60,876	59,159	1,717	1,865	1,693	172	4,408	675	1,214	2,968	161	149
SEX													
MEN....................	63,140	55,132	53,622	1,510	1,069	970	99	3,351	397	559	2,408	95	129
WOMEN....................	9,176	5,744	5,537	207	796	723	73	1,057	278	655	560	66	20
RACE													
WHITE/CAUCASIAN........	64,640	54,853	53,287	1,566	1,707	1,567	140	3,662	587	1,028	2,547	149	107
BLACK/NEGRO............	831	731	684	47	15	15	*	39	*	28	12	6	*
AMERICAN INDIAN........	105	97	92	5	*	*	*	3	3	2	*	*	*
ASIAN..................	3,320	2,559	2,530	29	64	52	12	563	60	53	21	*	*
OTHER..................	35	27	27	*	*	*	*	3	*	5	*	*	*
NO REPORT..............	3,385	2,609	2,539	70	79	59	20	138	25	98	388	6	42
BIOLOGICAL SCIENTISTS													
TOTAL....................	43,754	35,561	34,316	1,245	1,112	969	143	3,360	584	656	2,265	112	104
SEX													
MEN....................	36,529	31,237	30,178	1,059	474	391	83	2,461	322	128	1,761	60	86
WOMEN....................	7,225	4,324	4,138	186	638	578	60	899	262	528	504	52	18
RACE													
WHITE/CAUCASIAN........	38,964	31,949	30,821	1,128	1,011	900	111	2,802	504	564	1,950	112	72
BLACK/NEGRO............	612	553	506	47	8	8	*	26	*	13	12	*	*
AMERICAN INDIAN........	49	41	36	5	*	*	*	3	3	2	*	*	*
ASIAN..................	2,022	1,477	1,459	18	34	22	12	416	57	26	12	*	*
OTHER..................	23	21	21	*	*	*	*	2	*	*	*	*	*
NO REPORT..............	2,084	1,520	1,473	47	59	39	20	111	20	51	291	*	32
AGRICULTURAL SCIENTISTS													
TOTAL....................	14,277	13,192	12,830	362	289	268	21	175	54	39	484	22	22
SEX													
MEN....................	14,063	13,067	12,710	357	254	238	16	167	43	22	473	17	20
WOMEN....................	214	125	120	5	35	30	5	8	11	17	11	5	2
RACE													
WHITE/CAUCASIAN........	13,101	12,189	11,856	333	270	249	21	124	51	28	411	16	12
BLACK/NEGRO............	77	71	71	*	*	*	*	*	*	*	*	6	*
AMERICAN INDIAN........	42	42	42	*	*	*	*	*	*	*	*	*	*
ASIAN..................	429	356	345	11	13	13	*	51	3	6	*	*	*
OTHER..................	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT..............	628	534	516	18	6	6	*	*	*	5	73	*	10

* NO CASES REPORTED

TABLE B-4. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS BY FIELD, SEX, RACE, AND EMPLOYMENT STATUS: 1975
CONTINUED

FIELD, SEX, AND RACE	TOTAL	EMPLOYED FULL-TIME TOTAL	EMPLOYED FULL-TIME SCI/ ENG.	EMPLOYED FULL-TIME NON-SCI/ ENG.	EMPLOYED PART-TIME TOTAL	EMPLOYED PART-TIME SCI/ ENG.	EMPLOYED PART-TIME NON-SCI/ ENG.	POST-DOC-TORAL	UNEMP/ SEEKING EMP.	UNEMP/ NOT SEEKING EMP.	RE-TIRED	OTHER	NO REPORT
MEDICAL SCIENTISTS													
TOTAL....................	14,285	12,123	12,013	110	464	456	8	873	37	519	219	27	23
SEX													
MEN....................	12,548	10,828	10,734	94	341	341	*	723	32	409	174	18	23
WOMEN..................	1,737	1,295	1,279	16	123	115	8	150	5	110	45	9	*
RACE													
WHITE/CAUCASIAN.......	12,575	10,715	10,610	105	426	418	8	736	32	436	186	21	23
BLACK/NEGRO...........	142	107	107	*	7	7	*	13	*	15	*	*	*
AMERICAN INDIAN.......	14	14	14	*	*	*	*	*	*	*	*	*	*
ASIAN.................	869	726	726	*	17	17	*	96	*	21	9	*	*
OTHER.................	12	6	6	*	*	*	*	1	*	5	*	*	*
NO REPORT.............	673	555	550	5	14	14	*	27	5	42	24	6	*
PSYCHOLOGISTS													
TOTAL....................	31,613	28,120	26,851	1,269	1,842	1,731	111	372	226	238	674	50	91
SEX													
MEN....................	24,570	23,035	22,063	972	637	590	47	204	123	68	421	32	50
WOMEN..................	7,043	5,085	4,788	297	1,205	1,141	64	168	103	170	253	18	41
RACE													
WHITE/CAUCASIAN.......	28,974	25,767	24,683	1,084	1,697	1,609	88	342	221	231	584	50	82
BLACK/NEGRO...........	358	336	262	74	15	15	*	3	4	*	*	*	*
AMERICAN INDIAN.......	86	73	63	10	13	13	*	*	*	*	*	*	*
ASIAN.................	295	270	265	5	19	15	4	3	1	2	*	*	*
OTHER.................	41	34	34	*	7	7	*	*	*	*	*	*	*
NO REPORT.............	1,859	1,640	1,544	96	91	72	19	24	*	5	90	*	9
SOCIAL SCIENTISTS													
TOTAL....................	38,251	34,489	30,359	4,130	1,125	890	235	351	343	213	1,545	68	117
SEX													
MEN....................	33,489	30,806	27,076	3,730	712	569	143	233	197	70	1,313	54	104
WOMEN..................	4,762	3,683	3,283	400	413	321	92	118	146	143	232	14	13
RACE													
WHITE/CAUCASIAN.......	34,221	30,921	27,214	3,707	977	765	212	322	260	194	1,382	48	117
BLACK/NEGRO...........	561	522	430	92	14	14	*	6	4	*	15	*	*
AMERICAN INDIAN.......	125	101	96	5	14	14	*	*	10	*	*	*	*
ASIAN.................	1,308	1,239	1,099	140	29	19	10	13	17	5	5	*	*
OTHER.................	79	79	57	22	*	*	*	*	*	*	*	*	*
NO REPORT.............	1,957	1,627	1,463	164	91	78	13	10	52	14	143	20	*
ECONOMISTS													
TOTAL....................	11,049	10,021	8,526	1,495	230	168	62	46	35	19	653	12	33
SEX													
MEN....................	10,329	9,445	7,999	1,446	197	135	62	31	31	*	585	12	28
WOMEN..................	720	576	527	49	33	33	*	15	4	19	68	*	5
RACE													
WHITE/CAUCASIAN.......	9,837	8,960	7,597	1,363	202	140	62	46	2	16	566	12	33
BLACK/NEGRO...........	133	111	54	57	11	11	*	*	*	*	11	*	*
AMERICAN INDIAN.......	12	12	12	*	*	*	*	*	*	*	*	*	*
ASIAN.................	424	408	383	25	2	2	*	*	14	*	*	*	*
OTHER.................	14	14	14	*	*	*	*	*	*	*	*	*	*
NO REPORT.............	629	516	466	50	15	15	*	*	19	3	76	*	*
SOCIOLOGISTS/ANTHRO.													
TOTAL....................	8,775	7,839	7,408	431	254	226	28	93	147	86	322	24	10
SEX													
MEN....................	6,815	6,339	6,000	339	75	75	*	48	81	19	232	11	10
WOMEN..................	1,960	1,500	1,408	92	179	151	28	45	66	67	90	13	*
RACE													
WHITE/CAUCASIAN.......	7,839	7,002	6,622	380	227	199	28	92	113	78	293	24	10
BLACK/NEGRO...........	133	126	114	12	3	3	*	*	*	*	4	*	*
AMERICAN INDIAN.......	73	60	60	*	3	3	*	*	10	*	*	*	*
ASIAN.................	238	228	202	26	3	3	*	1	1	5	*	*	*
OTHER.................	20	20	20	*	*	*	*	*	*	*	*	*	*
NO REPORT.............	472	403	390	13	18	18	*	*	23	3	25	*	*
OTHER SOCIAL SCIENTISTS													
TOTAL....................	18,427	16,629	14,425	2,204	641	496	145	212	161	108	570	32	74
SEX													
MEN....................	16,345	15,022	13,077	1,945	440	359	81	154	85	51	496	31	66
WOMEN..................	2,082	1,607	1,348	259	201	137	64	58	76	57	74	1	8
RACE													
WHITE/CAUCASIAN.......	16,545	14,959	12,995	1,964	548	426	122	184	145	100	523	12	74
BLACK/NEGRO...........	295	285	262	23	*	*	*	6	4	*	*	*	*
AMERICAN INDIAN.......	40	29	24	5	11	11	*	*	*	*	*	*	*
ASIAN.................	646	603	514	89	24	14	10	12	2	*	5	*	*
OTHER.................	45	45	23	22	*	*	*	*	*	*	*	*	*
NO REPORT.............	856	708	607	101	58	45	13	10	10	8	42	20	*
NO REPORT													
TOTAL....................	658	82	82	*	12	12	*	*	23	23	508	7	3
SEX													
MEN....................	479	69	69	*	9	9	*	*	14	7	380	*	*
WOMEN..................	179	13	13	*	3	3	*	*	9	16	128	7	3
RACE													
WHITE/CAUCASIAN.......	588	71	71	*	12	12	*	*	23	23	449	7	3
BLACK/NEGRO.	6	1	1	*	*	*	*	*	*	*	5	*	*
AMERICAN INDIAN.......	3	3	3	*	*	*	*	*	*	*	*	*	*
ASIAN.................	1	*	*	*	*	*	*	*	*	*	1	*	*
OTHER.................	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT.............	60	7	7	*	*	*	*	*	*	*	53	*	*

* NO CASES REPORTED

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-5. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, AGE, AND TYPE OF EMPLOYER: 1975

FIELD AND AGE	TOTAL	BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS				HOSPITAL/ CLINIC	NONPROFIT ORGS.	FEDERAL GOV'T	MILITARY/ COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
			TOTAL	4-YEAR COLL/ UNIV.	2-YEAR COLL.	ELEM/ SEC. SCHOOL									
ALL FIELDS															
TOTAL	277,517	65,876	153,249	147,633	3,674	1,942	7,586	8,510	19,452	2,182	3,110	2,011	86	15,106	349
24 OR UNDER	30	*	18	18	*	*	*	12	*	*	*	*	*	*	*
25-29	10,026	2,129	5,916	5,754	86	76	471	332	560	213	76	27	*	301	1
30-34	58,168	15,117	31,989	30,862	721	406	2,153	1,878	3,614	507	597	474	17	1,764	58
35-39	56,229	14,113	32,037	30,903	860	274	1,330	1,855	4,031	703	572	443	26	1,065	57
40-44	42,304	10,274	24,499	23,687	555	257	857	1,275	3,311	335	567	234	7	629	16
45-49	35,233	8,090	20,655	19,833	500	322	914	1,060	2,866	215	457	279	21	649	27
50-54	29,921	7,476	16,843	16,146	435	262	901	947	2,265	133	429	173	10	705	39
55-59	19,452	4,610	11,164	10,774	230	160	489	543	1,497	36	171	149	*	761	32
60-64	12,754	2,734	6,804	6,461	213	130	297	291	917	36	163	130	*	1,361	21
65-69	7,804	867	2,672	2,585	58	29	108	202	304	4	59	83	5	3,457	43
70 OR OVER	5,452	357	539	509	11	19	52	91	74	*	13	22	*	4,249	55
NO REPORT	444	109	113	101	5	7	14	24	13	*	6	*	*	165	*
PHYSICAL SCIENTISTS															
TOTAL	59,267	22,385	26,141	24,642	1,135	364	492	1,979	3,787	312	215	81	11	3,794	70
24 OR UNDER	28	*	16	16	*	*	*	12	*	*	*	*	*	*	*
25-29	2,088	716	1,035	1,009	13	13	31	60	93	84	*	2	*	67	*
30-34	12,426	4,577	5,727	5,251	357	119	162	497	837	98	110	6	*	410	2
35-39	12,154	4,319	6,156	5,767	293	96	114	403	782	56	31	23	11	259	*
40-44	8,825	3,673	3,967	3,796	137	34	30	350	590	28	31	7	*	149	*
45-49	7,237	2,928	3,399	3,245	127	27	70	131	494	22	5	22	*	154	12
50-54	6,148	2,798	2,384	2,259	117	8	53	254	388	7	29	5	*	214	16
55-59	4,478	1,981	1,770	1,712	33	25	12	153	346	3	*	3	*	203	7
60-64	2,859	1,066	1,038	979	28	31	12	41	202	14	6	5	*	470	5
65-69	1,942	230	552	526	26	*	5	60	55	*	3	8	*	1,009	20
70 OR OVER	987	48	68	53	4	11	3	18	*	*	*	*	*	842	8
NO REPORT	95	49	29	29	*	*	*	*	*	*	*	*	*	17	*
CHEMISTS															
TOTAL	38,784	18,278	14,402	13,320	795	287	387	1,071	1,697	99	195	55	*	2,560	40
24 OR UNDER	16	*	16	16	*	*	*	*	*	*	*	*	*	*	*
25-29	1,376	612	621	595	13	13	21	25	34	16	*	2	*	45	*
30-34	7,713	3,537	3,188	2,840	249	99	119	186	288	39	100	6	*	250	*
35-39	7,296	3,460	3,091	2,855	170	66	88	187	271	19	21	23	*	136	*
40-44	5,694	2,940	2,177	2,055	94	28	23	173	246	8	31	2	*	94	*
45-49	4,841	2,433	1,865	1,736	112	17	70	63	281	*	5	22	*	102	*
50-54	4,115	2,346	1,094	991	96	7	34	247	221	*	29	*	*	126	16
55-59	3,413	1,726	1,237	1,180	32	25	12	106	203	3	*	*	*	126	*
60-64	2,245	957	698	653	24	21	12	25	125	14	6	*	*	403	5
65-69	1,379	193	345	343	2	*	5	41	28	*	3	*	*	745	19
70 OR OVER	613	33	41	27	3	11	3	18	*	*	*	*	*	518	*
NO REPORT	83	39	29	29	*	*	*	*	*	*	*	*	*	15	*
PHYSICISTS/ASTRONOMERS															
TOTAL	20,483	4,107	11,739	11,322	340	77	105	908	2,090	213	20	26	11	1,234	30
24 OR UNDER	12	*	*	*	*	*	*	12	*	*	*	*	*	*	*
25-29	712	104	414	414	*	*	10	35	59	68	*	*	*	22	*
30-34	4,713	1,040	2,539	2,411	108	20	43	311	549	59	10	*	*	160	2
35-39	4,858	859	3,065	2,912	123	30	26	216	511	37	10	*	11	123	*
40-44	3,131	733	1,790	1,741	43	6	7	177	344	20	*	5	*	55	*
45-49	2,396	495	1,534	1,509	15	10	*	68	213	22	*	*	*	52	12
50-54	2,033	450	1,290	1,268	21	1	19	7	167	7	*	5	*	88	*
55-59	1,065	255	533	532	1	*	*	47	143	*	*	3	*	77	7
60-64	614	109	340	326	4	10	*	16	77	*	*	5	*	67	*
65-69	563	37	207	183	24	*	*	19	27	*	*	8	*	264	1
70 OR OVER	374	15	27	26	1	*	*	*	*	*	*	*	*	324	8
NO REPORT	12	10	*	*	*	*	*	*	*	*	*	*	*	2	*
MATHEMATICAL SCIENTISTS															
TOTAL	14,542	1,066	12,006	11,682	266	58	2	214	572	47	28	7	*	600	*
24 OR UNDER	2	*	2	2	*	*	*	*	*	*	*	*	*	*	*
25-29	902	79	789	750	39	*	*	16	16	*	*	*	*	2	*
30-34	3,615	242	3,023	2,983	35	5	*	59	219	*	17	*	*	55	*
35-39	3,493	254	3,006	2,896	88	22	*	38	86	47	6	*	*	56	*
40-44	2,003	138	1,733	1,695	27	11	*	27	67	*	2	*	*	36	*
45-49	1,521	137	1,322	1,275	37	10	2	13	33	*	*	*	*	14	*
50-54	1,150	100	917	896	20	1	*	35	58	*	3	7	*	30	*
55-59	726	67	584	578	2	4	*	15	39	*	*	*	*	21	*
60-64	524	29	416	397	16	3	*	2	43	*	*	*	*	34	*
65-69	346	10	178	174	2	2	*	2	11	*	*	*	*	145	*
70 OR OVER	253	10	29	29	*	*	*	7	*	*	*	*	*	207	*
NO REPORT	7	*	7	7	*	*	*	*	*	*	*	*	*	*	*
MATHEMATICIANS															
TOTAL	12,729	847	10,655	10,335	262	58	*	190	381	47	23	7	*	579	*
24 OR UNDER	2	*	2	2	*	*	*	*	*	*	*	*	*	*	*
25-29	837	63	740	701	39	*	*	16	16	*	*	*	*	2	*
30-34	3,085	182	2,647	2,607	35	5	*	45	146	*	12	*	*	53	*
35-39	3,099	229	2,661	2,551	88	22	*	38	63	47	6	*	*	55	*
40-44	1,767	86	1,577	1,541	25	11	*	17	55	*	2	*	*	30	*
45-49	1,351	99	1,199	1,154	35	10	*	13	26	*	*	*	*	14	*
50-54	980	89	786	765	20	1	*	35	30	*	3	7	*	30	*
55-59	605	65	485	479	2	4	*	15	19	*	*	*	*	21	*
60-64	431	14	374	355	16	3	*	2	17	*	*	*	*	24	*
65-69	314	10	148	144	2	2	*	2	9	*	*	*	*	145	*
70 OR OVER	251	10	29	29	*	*	*	7	*	*	*	*	*	205	*
NO REPORT	7	*	7	7	*	*	*	*	*	*	*	*	*	*	*
STATISTICIANS															
TOTAL	1,813	219	1,351	1,347	4	*	2	24	191	*	5	*	*	21	*
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	65	16	49	49	*	*	*	*	*	*	*	*	*	*	*
30-34	530	60	376	376	*	*	*	14	73	*	5	*	*	2	*
35-39	394	25	345	345	*	*	*	*	23	*	*	*	*	1	*
40-44	236	52	156	154	2	*	*	10	12	*	*	*	*	6	*
45-49	170	38	123	121	2	*	2	*	7	*	*	*	*	*	*
50-54	170	11	131	131	*	*	*	*	28	*	*	*	*	*	*
55-59	121	2	99	99	*	*	*	*	20	*	*	*	*	*	*
60-64	93	15	42	42	*	*	*	*	26	*	*	*	*	10	*
65-69	32	*	30	30	*	*	*	*	2	*	*	*	*	*	*
70 OR OVER	2	*	*	*	*	*	*	*	*	*	*	*	*	2	*
NO REPORT	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

* NO CASES REPORTED

TABLE B-5. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, AGE, AND TYPE OF EMPLOYER: 1975
CONTINUED

FIELD AND AGE	TOTAL	BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS				HOSPITAL/ CLINIC	NONPROFIT ORGS.	FEDERAL GOV'T	MILITARY/ COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
			TOTAL	4-YEAR COLL/ UNIV.	2-YEAR COLL.	ELEM/ SEC. SCHOOL									
COMPUTER SPECIALISTS															
TOTAL	3,662	1,474	1,765	1,761	4	*	10	88	211	72	3	31	3	5	*
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	241	74	117	117	*	*	*	6	40	4	*	*	*	*	*
30-34	1,129	550	447	447	*	*	8	25	65	22	1	10	*	1	*
35-39	826	339	406	406	*	*	2	15	27	21	2	14	*	*	*
40-44	556	217	266	266	*	*	*	10	29	23	*	7	3	1	*
45-49	432	122	266	266	*	*	*	17	24	*	*	*	*	3	*
50-54	289	98	157	157	*	*	*	15	19	*	*	*	*	*	*
55-59	100	23	77	75	2	*	*	*	*	*	*	*	*	*	*
60-64	57	43	14	12	2	*	*	*	*	*	*	*	*	*	*
65-69	29	8	12	12	*	*	*	*	7	2	*	*	*	*	*
70 OR OVER	3	*	3	3	*	*	*	*	*	*	*	*	*	*	*
NO REPORT	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ENVIRONMENTAL SCIENTISTS															
TOTAL	12,783	2,978	6,170	6,015	129	26	1	534	2,230	92	357	79	*	342	*
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	367	94	212	212	*	*	*	28	24	9	*	*	*	*	*
30-34	2,258	626	1,161	1,144	17	*	*	61	334	*	22	24	*	30	*
35-39	2,853	525	1,448	1,421	19	8	*	187	500	48	74	21	*	50	*
40-44	2,280	459	1,160	1,116	44	*	1	82	409	18	134	3	*	14	*
45-49	1,671	423	811	769	30	12	*	47	304	*	55	17	*	14	*
50-54	1,421	385	605	596	9	*	*	40	317	8	62	3	*	1	*
55-59	846	226	390	375	10	5	*	25	169	7	2	8	*	19	*
60-64	569	128	237	237	*	*	*	42	110	*	3	3	*	46	*
65-69	285	73	114	114	*	*	*	10	41	2	*	*	*	45	*
70 OR OVER	233	39	32	31	*	1	*	12	22	*	5	*	*	123	*
NO REPORT	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
EARTH SCIENTISTS															
TOTAL	10,076	2,730	4,754	4,628	100	26	1	295	1,577	48	310	66	*	295	*
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	294	90	172	172	*	*	*	16	16	*	*	*	*	*	*
30-34	1,588	531	760	751	9	*	*	30	206	*	22	24	*	15	*
35-39	2,139	465	1,123	1,096	19	8	*	90	343	24	49	14	*	31	*
40-44	1,771	418	917	880	37	*	1	40	250	9	122	*	*	14	*
45-49	1,410	401	635	607	16	12	*	38	250	*	55	17	*	14	*
50-54	1,147	362	484	475	9	*	*	17	220	8	52	3	*	1	*
55-59	734	226	319	304	10	5	*	21	137	7	2	8	*	14	*
60-64	508	125	203	203	*	*	*	36	95	*	3	*	*	46	*
65-69	272	73	109	109	*	*	*	7	38	*	*	*	*	45	*
70 OR OVER	213	39	32	31	*	1	*	*	22	*	5	*	*	115	*
NO REPORT	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OCEANOGRAPHERS															
TOTAL	1,353	76	840	818	22	*	*	107	239	12	33	13	*	33	*
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	32	*	21	21	*	*	*	11	*	*	*	*	*	*	*
30-34	330	32	250	242	8	*	*	13	28	*	*	*	*	7	*
35-39	329	6	177	177	*	*	*	35	63	10	12	7	*	19	*
40-44	298	4	166	166	*	*	*	25	88	*	12	3	*	*	*
45-49	159	22	108	94	14	*	*	*	29	*	*	*	*	*	*
50-54	104	12	66	66	*	*	*	2	15	*	9	*	*	*	*
55-59	45	*	29	29	*	*	*	*	11	*	*	*	*	5	*
60-64	32	*	18	18	*	*	*	6	5	*	*	3	*	*	*
65-69	10	*	5	5	*	*	*	3	*	2	*	*	*	*	*
70 OR OVER	14	*	*	*	*	*	*	12	*	*	*	*	*	2	*
NO REPORT	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ATMOSPHERIC SCIENTISTS															
TOTAL	1,354	172	576	569	7	*	*	132	414	32	14	*	*	14	*
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	41	4	19	19	*	*	*	1	8	9	*	*	*	*	*
30-34	340	63	151	151	*	*	*	18	100	*	*	*	*	8	*
35-39	385	54	148	148	*	*	*	62	94	14	13	*	*	*	*
40-44	211	37	77	70	7	*	*	17	71	9	*	*	*	*	*
45-49	102	*	68	68	*	*	*	9	25	*	*	*	*	*	*
50-54	170	11	55	55	*	*	*	21	82	*	1	*	*	*	*
55-59	67	*	42	42	*	*	*	4	21	*	*	*	*	*	*
60-64	29	3	16	16	*	*	*	*	10	*	*	*	*	*	*
65-69	3	*	*	*	*	*	*	*	3	*	*	*	*	*	*
70 OR OVER	6	*	*	*	*	*	*	*	*	*	*	*	*	6	*
NO REPORT	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ENGINEERS															
TOTAL	44,425	22,535	15,306	15,129	177	*	24	1,233	3,079	700	227	211	*	1,069	41
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	1,276	776	233	233	*	*	11	39	138	54	11	*	*	14	*
30-34	10,163	6,055	2,611	2,569	42	*	*	357	720	154	52	25	*	153	36
35-39	10,846	5,754	3,618	3,590	28	*	*	255	765	307	28	54	*	65	*
40-44	7,640	3,528	3,083	3,030	53	*	7	199	580	122	45	29	*	47	*
45-49	5,094	2,321	2,072	2,056	16	*	5	163	354	44	36	50	*	44	5
50-54	4,735	2,223	1,963	1,942	21	*	*	106	274	16	20	32	*	101	*
55-59	2,310	963	1,012	1,002	10	*	*	87	127	3	17	10	*	91	*
60-64	1,351	622	501	499	2	*	*	11	106	*	*	11	*	100	*
65-69	653	207	180	180	*	*	*	4	15	*	16	*	*	231	*
70 OR OVER	294	51	28	28	*	*	1	*	*	*	2	*	*	212	*
NO REPORT	63	35	5	*	5	*	*	12	*	*	*	*	*	11	*
LIFE SCIENTISTS															
TOTAL	72,316	9,129	45,115	44,074	876	165	2,259	1,880	6,496	601	1,050	489	17	5,167	113
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	2,552	166	1,819	1,771	29	19	145	86	110	22	21	6	*	177	*
30-34	14,756	1,918	9,666	9,499	126	41	621	401	928	156	193	85	*	779	9
35-39	13,650	1,830	8,929	8,666	236	27	380	402	1,280	156	155	97	5	387	49
40-44	10,436	1,463	6,737	6,569	153	15	286	252	1,200	73	160	55	3	199	8
45-49	9,597	1,195	6,147	6,012	125	10	273	277	1,178	87	181	54	5	195	5
50-54	7,869	1,104	5,112	4,996	92	24	244	162	773	62	170	57	4	176	5
55-59	5,438	712	3,490	3,455	32	3	147	130	556	23	80	51	*	232	17
60-64	3,720	422	2,204	2,116	77	11	124	67	307	22	65	51	*	455	3
65-69	2,428	195	827	812	6	9	39	81	116	*	19	21	*	1,124	6
70 OR OVER	1,771	104	172	166	*	6	13	22	48	*	6	12	*	1,383	11
NO REPORT	99	20	12	12	*	*	7	*	*	*	*	*	*	60	*

* NO CASES REPORTED

TABLE B-5. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, AGE, AND TYPE OF EMPLOYER: 1975
CONTINUED

FIELD AND AGE	TOTAL	BUSINESS/INDUSTRY	EDUCATIONAL INSTITUTIONS				HOSPITAL/CLINIC	NONPROFIT ORGS.	FEDERAL GOV'T	MILITARY/COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
			TOTAL	4-YEAR COLL/UNIV.	2-YEAR COLL.	ELEM/SEC. SCHOOL									
BIOLOGICAL SCIENTISTS															
TOTAL	43,754	3,568	29,632	28,727	748	157	1,019	1,366	3,535	219	485	151	7	3,721	51
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	1,772	74	1,387	1,339	29	19	38	80	93	12	8	6	*	74	*
30-34	9,639	782	7,074	6,907	126	41	263	318	557	65	72	64	*	435	9
35-39	8,541	740	6,139	5,898	214	27	212	291	713	49	87	30	*	263	17
40-44	5,898	496	4,184	4,029	146	9	166	190	623	21	54	2	3	159	*
45-49	5,678	488	3,946	3,863	73	10	117	213	607	29	84	16	*	173	5
50-54	4,256	426	2,925	2,816	87	22	110	116	383	27	93	8	4	164	*
55-59	2,910	302	1,910	1,895	12	3	47	64	338	6	42	18	*	177	6
60-64	2,168	182	1,394	1,323	60	11	47	47	151	10	36	7	*	291	3
65-69	1,600	52	562	552	1	9	12	44	46	*	9	*	*	875	*
70 OR OVER	1,220	21	99	93	*	6	*	3	24	*	*	*	*	1,062	11
NO REPORT	72	5	12	12	*	*	7	*	*	*	*	*	*	48	*
AGRICULTURAL SCIENTISTS															
TOTAL	14,277	2,687	8,263	8,174	81	8	*	147	2,144	*	244	142	*	621	29
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	212	55	152	152	*	*	*	*	*	*	5	*	*	*	*
30-34	2,321	642	1,277	1,277	*	*	*	28	257	*	74	9	*	34	*
35-39	2,476	552	1,377	1,361	16	*	*	12	420	*	28	40	*	24	23
40-44	2,351	482	1,341	1,335	*	6	*	10	439	*	38	21	*	20	*
45-49	1,994	303	1,152	1,117	35	*	*	10	463	*	34	21	*	11	*
50-54	1,932	255	1,276	1,269	5	2	*	24	305	*	54	18	*	*	*
55-59	1,446	188	1,040	1,020	20	*	*	36	130	*	11	11	*	30	*
60-64	834	109	509	504	5	*	*	6	79	*	*	11	*	120	*
65-69	411	74	123	123	*	*	*	11	33	*	*	5	*	159	6
70 OR OVER	289	22	16	16	*	*	*	10	18	*	*	6	*	217	*
NO REPORT	11	5	*	*	*	*	*	*	*	*	*	*	*	6	*
MEDICAL SCIENTISTS															
TOTAL	14,285	2,874	7,220	7,173	47	*	1,240	367	817	382	321	196	10	825	33
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	568	37	280	280	*	*	107	6	17	10	8	*	*	103	*
30-34	2,796	494	1,315	1,315	*	*	358	55	114	91	47	12	*	310	*
35-39	2,633	538	1,413	1,407	6	*	148	99	147	107	40	27	5	100	9
40-44	2,187	485	1,212	1,205	7	*	120	52	138	52	68	32	*	20	8
45-49	1,925	404	1,049	1,032	17	*	156	54	108	58	63	17	5	11	*
50-54	1,681	423	911	911	*	*	134	22	85	35	23	31	*	12	5
55-59	1,082	222	540	540	*	*	100	30	88	17	27	22	*	25	11
60-64	718	131	301	289	12	*	77	14	77	12	29	33	*	44	*
65-69	417	69	142	137	5	*	27	26	37	*	10	16	*	90	*
70 OR OVER	262	61	57	57	*	*	13	9	6	*	6	6	*	104	*
NO REPORT	16	10	*	*	*	*	*	*	*	*	*	*	*	6	*
PSYCHOLOGISTS															
TOTAL	31,613	4,187	17,828	16,151	533	1,144	4,733	1,081	979	259	730	472	31	1,279	34
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	1,552	136	968	936	5	27	284	40	38	40	16	17	*	12	1
30-34	6,577	655	3,882	3,576	76	230	1,319	153	152	77	71	111	*	157	*
35-39	5,303	584	3,055	2,861	89	105	846	245	159	43	190	83	10	88	*
40-44	4,691	617	2,829	2,609	55	165	524	216	134	38	145	94	1	85	8
45-49	4,550	707	2,531	2,224	95	212	564	172	181	21	135	85	14	135	5
50-54	3,899	621	2,131	1,805	107	219	604	138	178	40	69	27	6	78	7
55-59	2,386	431	1,362	1,202	52	108	330	39	98	*	23	27	*	76	*
60-64	1,362	260	691	593	39	59	161	55	26	*	66	13	*	88	2
65-69	718	97	310	286	13	11	64	19	9	*	9	15	*	195	*
70 OR OVER	537	79	59	56	2	1	30	4	4	*	*	*	*	350	11
NO REPORT	38	*	10	3	*	7	7	*	*	*	6	*	*	15	*
SOCIAL SCIENTISTS															
TOTAL	38,251	2,108	28,858	28,131	548	179	65	1,499	2,098	99	500	640	24	2,286	74
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	1,048	88	743	726	*	17	*	57	101	*	28	2	*	29	*
30-34	7,240	494	5,472	5,393	68	11	43	325	359	*	131	213	17	175	11
35-39	7,079	508	5,411	5,288	107	16	8	310	432	25	86	148	*	146	5
40-44	5,554	171	4,716	4,598	86	32	9	139	302	33	50	39	*	95	*
45-49	5,110	257	4,093	3,976	66	51	*	240	298	41	45	51	2	83	*
50-54	4,378	145	3,570	3,492	68	10	*	195	258	*	76	42	*	87	5
55-59	3,130	205	2,469	2,365	89	15	*	94	162	*	49	50	*	95	6
60-64	2,245	162	1,696	1,622	48	26	*	73	123	*	23	47	*	110	11
65-69	1,209	47	490	478	11	1	*	26	50	*	12	39	5	528	12
70 OR OVER	1,116	26	148	143	5	*	5	28	*	*	*	9	*	876	24
NO REPORT	142	5	50	50	*	*	*	12	13	*	*	*	*	62	*
ECONOMISTS															
TOTAL	11,049	1,266	7,204	7,130	74	*	*	370	965	24	116	347	2	752	3
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	224	21	115	115	*	*	*	26	46	*	*	*	*	16	*
30-34	2,289	278	1,501	1,501	*	*	*	91	215	*	46	155	*	3	*
35-39	1,921	312	1,218	1,218	*	*	*	60	238	*	21	55	*	17	*
40-44	1,479	115	1,100	1,078	22	*	*	28	196	11	*	23	*	6	*
45-49	1,242	124	918	916	2	*	*	44	82	13	12	25	2	22	*
50-54	1,221	121	916	909	7	*	*	63	74	*	19	28	*	*	*
55-59	1,077	177	774	754	20	*	*	32	62	*	13	2	*	17	*
60-64	678	76	474	462	12	*	*	26	48	*	3	33	*	18	*
65-69	376	28	127	116	11	*	*	*	4	*	2	26	*	189	*
70 OR OVER	495	14	49	49	*	*	*	*	*	*	*	*	*	429	3
NO REPORT	47	*	12	12	*	*	*	*	*	*	*	*	*	35	*
SOCIOLOGISTS/ANTHRO.															
TOTAL	8,775	97	7,586	7,398	172	16	15	274	157	*	40	12	*	589	5
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	268	*	258	258	*	*	*	10	*	*	*	*	*	*	*
30-34	1,504	20	1,322	1,322	*	*	10	55	31	*	*	*	*	66	*
35-39	1,587	23	1,440	1,395	45	*	*	47	29	*	14	*	*	34	*
40-44	1,248	*	1,175	1,127	37	11	*	30	6	*	3	*	*	34	*
45-49	1,279	19	1,111	1,085	26	*	*	84	31	*	9	*	*	25	*
50-54	1,005	*	915	898	17	*	*	31	11	*	*	*	*	48	*
55-59	792	12	713	694	14	5	*	*	22	*	*	12	*	33	*
60-64	587	18	514	486	28	*	*	2	22	*	4	*	*	27	*
65-69	246	*	91	91	*	*	*	*	5	*	10	*	*	140	*
70 OR OVER	221	*	34	29	5	*	5	5	*	*	*	*	*	172	5
NO REPORT	38	5	13	13	*	*	*	10	*	*	*	*	*	10	*

* NO CASES REPORTED

TABLE B-5. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, AGE, AND TYPE OF EMPLOYER: 1975
CONTINUED

			EDUCATIONAL INSTITUTIONS												
FIELD AND AGE	TOTAL	BUSINESS/ INDUSTRY	TOTAL	4-YEAR COLL/ UNIV.	2-YEAR COLL.	ELEM/ SEC. SCHOOL	HOSPITAL/ CLINIC	NON-PROFIT ORGS.	FEDERAL GOV'T	MILITARY/ COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
OTHER SOCIAL SCIENTISTS															
TOTAL	18,427	745	14,068	13,603	302	163	50	855	976	75	344	281	22	945	66
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	556	67	370	353	*	17	*	21	55	*	28	2	*	13	*
30-34	3,447	196	2,649	2,570	68	11	33	179	113	*	85	58	17	106	11
35-39	3,571	173	2,753	2,675	62	16	8	203	165	25	51	93	*	95	5
40-44	2,827	56	2,441	2,393	27	21	9	81	100	22	47	16	*	55	*
45-49	2,589	114	2,064	1,975	38	51	*	112	185	28	24	26	*	36	*
50-54	2,152	24	1,739	1,685	44	10	*	101	173	*	57	14	*	39	5
55-59	1,261	16	982	917	55	10	*	62	78	*	36	36	*	45	6
60-64	980	68	708	674	8	26	*	45	53	*	16	14	*	65	11
65-69	587	19	272	271	*	1	*	26	41	*	*	13	5	199	12
70 OR OVER	400	12	65	65	*	*	*	23	*	*	*	9	*	275	16
NO REPORT	57	*	25	25	*	*	*	2	13	*	*	*	*	17	*
NO REPORT															
TOTAL	658	14	60	48	6	6	*	2	*	*	*	1	*	564	17
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
30-34	4	*	*	*	*	*	*	*	*	*	*	*	*	4	*
35-39	25	*	8	8	*	*	*	*	*	*	*	*	*	14	3
40-44	19	8	8	8	*	*	*	*	*	*	*	*	*	3	*
45-49	21	*	14	10	4	*	*	*	*	*	*	*	*	7	*
50-54	32	2	4	3	1	*	*	2	*	*	*	*	*	18	6
55-59	38	2	10	10	*	*	*	*	*	*	*	*	*	24	2
60-64	67	2	7	6	1	*	*	*	*	*	*	*	*	58	*
65-69	194	*	9	3	*	6	*	*	*	*	*	*	*	180	5
70 OR OVER	258	*	*	*	*	*	*	*	*	*	*	1	*	256	1
NO REPORT	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

* NO CASES REPORTED

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-6. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, RACE, AND TYPE OF EMPLOYER: 1975

FIELD AND RACE	TOTAL	BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS				HOSPITAL/ CLINIC	NONPROFIT ORGS.	FEDERAL GOV'T	MILITARY/ COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
			TOTAL	4-YEAR COLL/ UNIV.	2-YEAR COLL.	ELEM/ SEC. SCHOOL									
ALL FIELDS															
TOTAL	277,517	65,876	153,249	147,633	3,674	1,942	7,586	8,510	19,452	2,182	3,110	2,011	86	15,106	349
WHITE/CAUCASIAN	247,723	58,390	137,001	132,037	3,191	1,773	6,973	7,661	17,751	2,031	2,698	1,639	86	13,201	292
BLACK/NEGRO	2,653	359	1,742	1,641	70	31	63	65	215	21	35	24	*	129	1
AMERICAN INDIAN	451	79	274	246	14	14	10	27	24	*	12	10	*	15	*
ASIAN	13,491	4,551	6,947	6,755	161	31	245	400	656	20	162	135	*	355	20
OTHER	214	22	150	149	*	1	4	10	9	*	11	*	*	8	*
NO REPORT	12,985	2,476	7,135	6,805	238	92	291	357	797	110	192	203	*	1,398	36
PHYSICAL SCIENTISTS															
TOTAL	59,267	22,385	26,141	24,642	1,135	364	492	1,979	3,787	312	215	81	11	3,794	70
WHITE/CAUCASIAN	53,127	20,433	23,171	21,844	999	328	434	1,717	3,432	296	186	50	11	3,339	58
BLACK/NEGRO	572	176	263	258	5	*	6	17	65	3	*	*	*	42	*
AMERICAN INDIAN	54	32	22	22	*	*	*	*	*	*	*	*	*	*	*
ASIAN	3,045	1,063	1,445	1,374	55	16	32	180	152	10	21	12	*	130	*
OTHER	18	*	9	9	*	*	*	*	9	*	*	*	*	*	*
NO REPORT	2,451	681	1,231	1,135	76	20	20	65	129	3	8	19	*	283	12
CHEMISTS															
TOTAL	38,784	18,278	14,402	13,320	795	287	387	1,071	1,697	99	195	55	*	2,560	40
WHITE/CAUCASIAN	34,914	16,678	12,930	11,954	718	258	344	916	1,486	96	166	32	*	2,238	28
BLACK/NEGRO	458	169	200	195	5	*	6	*	53	*	*	*	*	30	*
AMERICAN INDIAN	41	21	20	20	*	*	*	*	*	*	*	*	*	*	*
ASIAN	1,905	855	670	631	26	13	32	126	103	*	21	12	*	86	*
OTHER	2	*	2	2	*	*	*	*	*	*	*	*	*	*	*
NO REPORT	1,464	555	580	518	46	16	5	29	55	3	8	11	*	206	12
PHYSICISTS/ASTRONOMERS															
TOTAL	20,483	4,107	11,739	11,322	340	77	105	908	2,090	213	20	26	11	1,234	30
WHITE/CAUCASIAN	18,213	3,755	10,241	9,890	281	70	90	801	1,946	200	20	18	11	1,101	30
BLACK/NEGRO	114	7	63	63	*	*	*	17	12	3	*	*	*	12	*
AMERICAN INDIAN	13	11	2	2	*	*	*	*	*	*	*	*	*	*	*
ASIAN	1,140	208	775	743	29	3	*	54	49	10	*	*	*	44	*
OTHER	16	*	7	7	*	*	*	*	9	*	*	*	*	*	*
NO REPORT	937	126	651	617	30	4	15	36	74	*	*	8	*	77	*
MATHEMATICAL SCIENTISTS															
TOTAL	14,542	1,066	12,006	11,682	266	58	2	214	572	47	28	7	*	600	*
WHITE/CAUCASIAN	12,786	947	10,519	10,242	221	56	2	201	533	36	21	7	*	520	*
BLACK/NEGRO	106	2	95	87	8	*	*	2	*	*	*	*	*	7	*
AMERICAN INDIAN	21	*	21	19	2	*	*	*	*	*	*	*	*	*	*
ASIAN	726	56	634	619	15	*	*	8	11	*	5	*	*	12	*
OTHER	3	*	*	*	*	*	*	*	*	*	*	*	*	3	*
NO REPORT	900	61	737	715	20	2	*	3	28	11	2	*	*	58	*
MATHEMATICIANS															
TOTAL	12,729	847	10,655	10,335	262	58	*	190	381	47	23	7	*	579	*
WHITE/CAUCASIAN	11,153	733	9,320	9,045	219	56	*	179	357	36	21	7	*	500	*
BLACK/NEGRO	100	2	91	85	6	*	*	*	*	*	*	*	*	7	*
AMERICAN INDIAN	11	*	11	9	2	*	*	*	*	*	*	*	*	*	*
ASIAN	638	51	561	546	15	*	*	8	7	*	*	*	*	11	*
OTHER	3	*	*	*	*	*	*	*	*	*	*	*	*	3	*
NO REPORT	824	61	672	650	20	2	*	3	17	11	2	*	*	58	*
STATISTICIANS															
TOTAL	1,813	219	1,351	1,347	4	*	2	24	191	*	5	*	*	21	*
WHITE/CAUCASIAN	1,633	214	1,199	1,197	2	*	2	22	176	*	*	*	*	20	*
BLACK/NEGRO	6	*	4	2	2	*	*	2	*	*	*	*	*	*	*
AMERICAN INDIAN	10	*	10	10	*	*	*	*	*	*	*	*	*	*	*
ASIAN	88	5	73	73	*	*	*	*	4	*	5	*	*	1	*
OTHER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT	76	*	65	65	*	*	*	*	11	*	*	*	*	*	*
COMPUTER SPECIALISTS															
TOTAL	3,662	1,476	1,765	1,761	4	*	10	88	211	72	3	31	3	5	*
WHITE/CAUCASIAN	3,281	1,327	1,582	1,578	4	*	8	78	200	66	*	21	3	1	*
BLACK/NEGRO	33	20	*	*	*	*	2	*	*	*	*	10	*	1	*
AMERICAN INDIAN	3	1	2	2	*	*	*	*	*	*	*	*	*	*	*
ASIAN	189	61	97	97	*	*	*	10	11	4	3	*	*	3	*
OTHER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT	156	70	84	84	*	*	*	*	*	2	*	*	*	*	*
ENVIRONMENTAL SCIENTISTS															
TOTAL	12,763	2,978	6,170	6,015	129	26	1	534	2,230	92	357	79	*	342	*
WHITE/CAUCASIAN	11,879	2,815	5,747	5,593	128	26	*	486	2,046	92	328	69	*	296	*
BLACK/NEGRO	41	12	10	10	*	*	*	*	19	*	*	*	*	*	*
AMERICAN INDIAN	1	*	1	1	*	*	*	*	*	*	*	*	*	*	*
ASIAN	322	67	154	154	*	*	*	22	66	*	*	3	*	10	*
OTHER	7	*	6	6	*	*	1	*	*	*	*	*	*	*	*
NO REPORT	533	84	252	251	1	*	*	26	99	*	29	7	*	36	*
EARTH SCIENTISTS															
TOTAL	10,076	2,730	4,754	4,628	100	26	1	295	1,577	48	310	66	*	295	*
WHITE/CAUCASIAN	9,461	2,589	4,459	4,334	99	26	*	289	1,469	48	281	66	*	260	*
BLACK/NEGRO	41	12	10	10	*	*	*	*	19	*	*	*	*	*	*
AMERICAN INDIAN	1	*	1	1	*	*	*	*	*	*	*	*	*	*	*
ASIAN	184	56	95	95	*	*	*	6	26	*	*	*	*	1	*
OTHER	7	*	6	6	*	*	1	*	*	*	*	*	*	*	*
NO REPORT	382	73	183	182	1	*	*	*	63	*	29	*	*	34	*
OCEANOGRAPHERS															
TOTAL	1,353	76	840	818	22	*	*	107	239	12	33	13	*	33	*
WHITE/CAUCASIAN	1,240	76	771	749	22	*	*	107	210	12	33	3	*	28	*
BLACK/NEGRO	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
AMERICAN INDIAN	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ASIAN	51	*	25	25	*	*	*	*	20	*	*	3	*	3	*
OTHER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT	62	*	44	44	*	*	*	*	9	*	*	7	*	2	*
ATMOSPHERIC SCIENTISTS															
TOTAL	1,354	172	576	569	7	*	*	132	414	32	14	*	*	14	*
WHITE/CAUCASIAN	1,178	150	517	510	7	*	*	90	367	32	14	*	*	8	*
BLACK/NEGRO	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
AMERICAN INDIAN	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ASIAN	87	11	34	34	*	*	*	16	20	*	*	*	*	6	*
OTHER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT	89	11	25	25	*	*	*	26	27	*	*	*	*	*	*

* NO CASES REPORTED

TABLE B-6. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, RACE, AND TYPE OF EMPLOYER: 1975
CONTINUED

FIELD AND RACE	TOTAL	BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS				HOSPITAL/ CLINIC	NONPROFIT ORGS.	FEDERAL GOV'T	MILITARY/ COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
			TOTAL	4-YEAR COLL/ UNIV.	2-YEAR COLL.	ELEM/ SEC. SCHOOL									
ENGINEERS															
TOTAL	44,425	22,535	15,306	15,129	177	*	24	1,233	3,079	700	227	211	*	1,069	41
WHITE/CAUCASIAN	38,227	19,001	13,334	13,208	126	*	24	1,100	2,786	667	151	183	*	953	28
BLACK/NEGRO	145	43	84	84	*	*	*	2	9	2	*	*	*	5	*
AMERICAN INDIAN	53	16	10	10	*	*	*	12	13	*	*	2	*	*	*
ASIAN	4,285	2,731	1,202	1,169	33	*	*	78	173	*	51	15	*	35	*
OTHER	31	12	19	19	*	*	*	*	*	*	*	*	*	*	*
NO REPORT	1,684	732	657	639	18	*	*	41	98	31	25	11	*	76	13
LIFE SCIENTISTS															
TOTAL	72,316	9,129	45,115	44,074	876	165	2,259	1,880	6,496	601	1,050	489	17	5,167	113
WHITE/CAUCASIAN	64,640	8,177	40,402	39,443	803	156	1,969	1,672	5,983	539	949	421	17	4,418	93
BLACK/NEGRO	831	48	588	564	22	2	23	29	75	16	6	*	*	46	*
AMERICAN INDIAN	105	18	62	52	10	*	5	*	10	*	*	5	*	5	*
ASIAN	3,320	473	2,159	2,149	10	*	183	86	187	6	45	27	*	136	20
OTHER	35	*	30	30	*	*	*	*	*	*	*	*	*	5	*
NO REPORT	3,385	413	1,874	1,836	31	7	79	93	241	40	50	36	*	559	*
BIOLOGICAL SCIENTISTS															
TOTAL	43,754	3,568	29,632	28,727	748	157	1,019	1,366	3,535	219	485	151	7	3,721	51
WHITE/CAUCASIAN	38,964	3,183	26,418	25,569	701	148	873	1,197	3,269	181	444	144	7	3,202	46
BLACK/NEGRO	612	40	429	415	12	2	11	28	61	12	6	*	*	25	*
AMERICAN INDIAN	49	*	26	26	*	*	3	*	10	*	*	5	*	5	*
ASIAN	2,022	205	1,401	1,392	9	*	98	68	124	6	18	2	*	95	5
OTHER	23	*	23	23	*	*	*	*	*	*	*	*	*	*	*
NO REPORT	2,084	140	1,335	1,302	26	7	34	73	71	20	17	*	*	394	*
AGRICULTURAL SCIENTISTS															
TOTAL	14,277	2,687	8,263	8,174	81	8	*	147	2,144	*	244	142	*	621	29
WHITE/CAUCASIAN	13,101	2,440	7,649	7,580	61	8	*	137	2,008	*	222	108	*	518	19
BLACK/NEGRO	77	*	58	53	5	*	*	*	13	*	*	*	*	6	*
AMERICAN INDIAN	42	12	30	20	10	*	*	*	*	*	*	*	*	*	*
ASIAN	429	110	255	255	*	*	*	*	18	*	16	11	*	9	10
OTHER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT	628	125	271	266	5	*	*	10	105	*	6	23	*	88	*
MEDICAL SCIENTISTS															
TOTAL	14,285	2,874	7,220	7,173	47	*	1,240	367	817	382	321	196	10	825	33
WHITE/CAUCASIAN	12,575	2,554	6,335	6,294	41	*	1,096	338	706	358	283	169	10	698	28
BLACK/NEGRO	142	8	101	96	5	*	12	1	1	4	*	*	*	15	*
AMERICAN INDIAN	14	6	6	6	*	*	2	*	*	*	*	*	*	*	*
ASIAN	869	158	503	502	1	*	85	18	45	*	11	14	*	30	5
OTHER	12	*	7	7	*	*	*	*	*	*	*	*	*	5	*
NO REPORT	673	148	268	268	*	*	45	10	65	20	27	13	*	77	*
PSYCHOLOGISTS															
TOTAL	31,613	4,187	17,828	16,151	533	1,144	4,733	1,081	979	259	730	472	31	1,279	34
WHITE/CAUCASIAN	28,974	3,775	16,310	14,843	434	1,033	4,471	1,000	924	236	658	379	31	1,168	22
BLACK/NEGRO	358	48	251	216	16	19	32	9	2	*	11	*	*	4	1
AMERICAN INDIAN	86	12	55	39	2	14	5	10	1	*	*	3	*	*	*
ASIAN	295	29	199	165	19	15	30	2	4	*	16	12	*	3	*
OTHER	41	*	17	17	*	*	3	10	*	*	11	*	*	*	*
NO REPORT	1,859	323	996	871	62	63	192	50	48	23	34	78	*	104	11
SOCIAL SCIENTISTS															
TOTAL	38,251	2,108	28,858	28,131	548	179	65	1,499	2,098	99	500	640	24	2,286	74
WHITE/CAUCASIAN	34,221	1,908	25,884	25,245	471	168	65	1,405	1,847	99	405	509	24	2,001	74
BLACK/NEGRO	561	9	450	421	19	10	*	6	45	*	18	14	*	19	*
AMERICAN INDIAN	125	*	98	98	*	*	*	5	*	*	12	*	*	10	*
ASIAN	1,308	71	1,057	1,028	29	*	*	14	52	*	21	66	*	27	*
OTHER	79	10	69	68	*	1	*	*	*	*	*	*	*	*	*
NO REPORT	1,957	110	1,300	1,271	29	*	*	69	154	*	44	51	*	229	*
ECONOMISTS															
TOTAL	11,049	1,266	7,204	7,130	74	*	*	370	965	24	116	347	2	752	3
WHITE/CAUCASIAN	9,837	1,164	6,478	6,406	72	*	*	337	853	24	93	254	2	629	3
BLACK/NEGRO	133	6	91	91	*	*	*	*	*	*	11	14	*	11	*
AMERICAN INDIAN	12	*	12	12	*	*	*	*	*	*	*	*	*	*	*
ASIAN	424	51	278	273	*	*	*	*	35	*	9	37	*	14	*
OTHER	14	*	14	14	*	*	*	*	*	*	*	*	*	*	*
NO REPORT	629	45	331	329	2	*	*	33	77	*	3	42	*	98	*
SOCIOLOGISTS/ANTHRO.															
TOTAL	8,775	97	7,586	7,398	172	16	15	274	157	*	40	12	*	589	5
WHITE/CAUCASIAN	7,839	76	6,788	6,614	158	16	15	274	116	*	35	12	*	518	5
BLACK/NEGRO	133	*	116	107	9	*	*	*	13	*	*	*	*	4	*
AMERICAN INDIAN	73	*	63	63	*	*	*	*	*	*	*	*	*	10	*
ASIAN	238	*	215	213	2	*	*	*	12	*	5	*	*	6	*
OTHER	20	*	20	20	*	*	*	*	*	*	*	*	*	*	*
NO REPORT	472	21	384	381	3	*	*	*	16	*	*	*	*	51	*
OTHER SOCIAL SCIENTISTS															
TOTAL	18,427	745	14,068	13,603	302	163	50	855	976	75	344	281	22	945	66
WHITE/CAUCASIAN	16,545	668	12,618	12,225	241	152	50	794	878	75	277	243	22	854	66
BLACK/NEGRO	295	3	243	223	10	10	*	6	32	*	7	*	*	4	*
AMERICAN INDIAN	40	*	23	23	*	*	*	5	*	*	12	*	*	*	*
ASIAN	646	20	564	537	27	*	*	14	5	*	7	29	*	7	*
OTHER	45	10	35	34	*	1	*	*	*	*	*	*	*	*	*
NO REPORT	856	44	585	561	24	*	*	36	61	*	41	9	*	80	*
NO REPORT															
TOTAL	658	14	60	48	6	6	*	2	*	*	*	1	*	564	17
WHITE/CAUCASIAN	588	12	52	41	5	6	*	2	*	*	*	*	*	505	17
BLACK/NEGRO	6	*	1	1	*	*	*	*	*	*	*	*	*	5	*
AMERICAN INDIAN	3	*	3	3	*	*	*	*	*	*	*	*	*	*	*
ASIAN	1	*	*	*	*	*	*	*	*	*	*	*	*	1	*
OTHER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT	60	2	4	3	1	*	*	*	*	*	*	1	*	53	*

* NO CASES REPORTED

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 9-7. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, AGE, AND PRIMARY WORK ACTIVITY: 1975

		RESEARCH AND DEVELOPMENT				....MANAGEMENT OR ADMIN....									
FIELD AND AGE	TOTAL	TOTAL	BASIC RE-SEARCH	APPL'D RE-SEARCH	DEVEL-OPMENT	TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH	TEACH-ING	CON-SULT-ING	SALES/ PROF. SER-VICES	OTHER	NOT EM-PLOYED	NO REPORT
ALL FIELDS															
TOTAL	277,517	84,510	39,121	33,779	11,610	52,838	29,286	16,023	7,529	93,665	5,655	11,824	7,691	15,106	6,228
24 OR UNDER	30	30	30	*	*	*	*	*	*	*	*	*	*	*	*
25-29	10,026	5,466	3,280	1,622	564	475	241	136	98	2,683	128	596	257	301	120
30-34	58,168	24,722	11,616	9,251	3,855	6,195	3,791	1,613	791	18,696	1,008	2,959	1,900	1,764	924
35-39	56,229	20,009	9,133	7,930	2,946	9,377	5,405	2,795	1,177	20,191	1,086	2,046	1,303	1,065	1,152
40-44	47,004	11,898	5,130	5,063	1,705	9,518	5,435	2,713	1,370	15,958	703	1,446	1,074	629	778
45-49	35,233	8,958	3,965	4,049	944	8,997	4,875	2,833	1,289	12,843	597	1,515	897	649	777
50-54	29,921	6,501	2,770	2,980	751	8,823	4,636	2,914	1,273	10,185	594	1,330	850	705	933
55-59	19,452	3,912	1,827	1,654	431	5,436	2,867	1,740	829	6,672	402	993	678	761	598
60-64	12,754	2,020	807	884	329	3,030	1,615	892	523	4,467	496	563	384	1,361	433
65-69	7,804	789	465	267	57	798	303	322	173	1,589	416	211	213	3,457	331
70 OR OVER	5,452	154	82	59	13	104	61	42	1	311	223	133	105	4,249	173
NO REPORT	444	51	16	20	15	85	57	23	5	70	2	32	30	165	9
PHYSICAL SCIENTISTS															
TOTAL	59,267	23,158	11,144	9,856	2,158	12,334	8,595	2,491	1,248	15,764	396	963	1,802	3,794	1,056
24 OR UNDER	28	28	28	*	*	*	*	*	*	*	*	*	*	*	*
25-29	2,088	1,711	1,110	503	98	96	61	22	13	135	2	30	17	67	30
30-34	12,426	6,768	3,574	2,639	555	1,301	910	222	169	3,069	38	247	428	410	165
35-39	12,154	5,068	2,533	2,071	464	2,051	1,458	375	218	4,057	21	202	306	259	190
40-44	8,825	3,183	1,383	1,503	297	2,225	1,551	466	208	2,758	37	129	256	149	88
45-49	7,237	2,581	967	1,343	271	1,942	1,456	356	130	2,114	39	55	229	154	123
50-54	6,148	1,877	728	988	161	1,996	1,416	401	179	1,469	37	162	195	214	198
55-59	4,478	1,206	515	542	149	1,580	1,062	335	183	1,060	69	59	205	203	96
60-64	2,859	515	175	213	127	877	588	210	79	714	90	42	80	470	71
65-69	1,942	184	126	43	15	199	52	84	63	326	51	21	75	1,009	77
70 OR OVER	987	24	5	8	11	39	18	20	1	40	12	3	11	842	16
NO REPORT	95	13	*	3	10	28	23	*	5	22	*	13	*	17	2
CHEMISTS															
TOTAL	38,784	14,003	6,158	6,359	1,486	9,504	6,749	1,868	887	9,478	287	797	1,498	2,560	657
24 OR UNDER	16	16	16	*	*	*	*	*	*	*	*	*	*	*	*
25-29	1,376	1,101	625	392	84	64	42	11	11	114	2	13	17	45	20
30-34	7,713	3,825	1,860	1,621	344	955	697	145	113	2,019	18	204	334	250	108
35-39	7,296	2,952	1,336	1,310	306	1,503	1,085	264	154	2,183	2	150	223	136	147
40-44	5,694	1,898	710	974	214	1,698	1,197	353	148	1,651	23	99	202	94	29
45-49	4,841	1,579	584	832	163	1,566	1,182	262	122	1,259	27	50	209	102	49
50-54	4,115	1,280	450	697	133	1,454	1,094	278	82	743	22	153	186	126	151
55-59	3,413	833	355	348	130	1,328	886	302	140	759	69	59	175	126	64
60-64	2,245	396	119	176	101	717	490	169	58	513	85	32	68	403	31
65-69	1,379	103	103	*	*	161	41	66	54	189	35	21	75	745	50
70 OR OVER	613	17	*	6	11	30	12	18	*	26	4	3	9	518	6
NO REPORT	83	3	*	3	*	28	23	*	5	22	*	13	*	15	2
PHYSICISTS/ASTRONOMERS															
TOTAL	20,483	9,155	4,986	3,497	672	2,830	1,846	623	361	6,286	109	166	304	1,234	399
24 OR UNDER	12	12	12	*	*	*	*	*	*	*	*	*	*	*	*
25-29	712	610	485	111	14	32	19	11	2	21	*	17	*	22	10
30-34	4,713	2,943	1,714	1,018	211	346	213	77	56	1,050	20	43	94	160	57
35-39	4,858	2,116	1,197	761	158	548	373	111	64	1,874	19	52	83	123	43
40-44	3,131	1,285	673	529	83	527	354	113	60	1,107	14	30	54	55	59
45-49	2,396	1,002	383	511	108	376	274	94	8	855	12	5	20	52	74
50-54	2,033	597	278	291	28	542	322	123	97	726	15	9	9	88	47
55-59	1,065	373	160	194	19	252	176	33	43	301	*	*	30	77	32
60-64	614	119	56	37	26	160	98	41	21	201	5	10	12	67	40
65-69	563	81	23	43	15	38	11	18	9	137	16	*	*	264	27
70 OR OVER	374	7	5	2	*	9	6	2	1	14	8	*	2	324	10
NO REPORT	12	10	*	*	10	*	*	*	*	*	*	*	*	2	*
MATHEMATICAL SCIENTISTS															
TOTAL	14,542	2,766	1,593	840	333	1,247	388	649	210	9,298	149	65	174	600	243
24 OR UNDER	2	2	2	*	*	*	*	*	*	*	*	*	*	*	*
25-29	902	317	234	53	30	4	4	*	*	564	2	*	3	2	10
30-34	3,615	888	469	242	177	151	55	70	26	2,386	24	20	53	55	38
35-39	3,493	690	375	226	89	298	97	136	65	2,317	22	19	24	56	67
40-44	2,003	263	152	94	17	228	49	112	67	1,394	28	*	20	36	34
45-49	1,521	222	155	59	8	170	85	74	11	1,026	26	6	14	14	43
50-54	1,152	153	100	41	12	208	50	144	14	682	10	6	36	30	25
55-59	726	109	52	57	*	115	33	65	17	440	3	11	13	21	14
60-64	524	86	29	57	*	45	15	27	3	331	20	*	*	34	8
65-69	346	31	20	11	*	19	*	12	7	136	7	3	1	145	4
70 OR OVER	253	2	2	*	*	9	*	9	*	18	7	*	10	207	*
NO REPORT	7	3	3	*	*	*	*	*	*	4	*	*	*	*	*
MATHEMATICIANS															
TOTAL	12,729	2,383	1,468	633	282	1,015	280	559	176	8,290	54	60	151	579	197
24 OR UNDER	2	2	2	*	*	*	*	*	*	*	*	*	*	*	*
25-29	837	294	234	30	30	4	4	*	*	522	2	*	3	2	10
30-34	3,085	742	423	164	155	124	28	70	26	2,082	*	20	42	53	22
35-39	3,099	609	331	208	70	246	67	124	55	2,081	6	19	24	55	59
40-44	1,767	231	150	74	7	181	30	86	65	1,279	5	*	20	30	21
45-49	1,351	209	150	51	8	133	62	60	11	917	15	6	14	14	43
50-54	980	128	84	32	12	171	47	117	7	596	*	6	24	30	25
55-59	605	86	46	40	*	102	30	65	7	369	3	6	13	21	5
60-64	431	54	29	25	*	31	12	16	3	305	9	*	*	24	8
65-69	314	23	14	9	*	14	*	12	2	117	7	3	1	145	4
70 OR OVER	251	2	2	*	*	9	*	9	*	18	7	*	10	205	*
NO REPORT	7	3	3	*	*	*	*	*	*	4	*	*	*	*	*
STATISTICIANS															
TOTAL	1,813	383	125	207	51	232	108	90	34	1,008	95	5	23	21	46
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	65	23	*	23	*	*	*	*	*	42	*	*	*	*	*
30-34	530	146	46	78	22	27	27	*	*	304	24	*	11	2	16
35-39	394	81	44	18	19	52	30	12	10	236	16	*	*	1	8
40-44	236	32	2	20	10	47	19	26	2	115	23	*	*	6	13
45-49	170	13	5	8	*	37	23	14	*	109	11	*	*	*	*
50-54	170	25	16	9	*	37	3	27	7	86	10	*	12	*	*
55-59	121	23	6	17	*	13	3	*	10	71	*	5	*	*	9
60-64	93	32	*	32	*	14	3	11	*	26	11	*	*	10	*
65-69	32	8	6	2	*	5	*	*	5	19	*	*	*	*	*
70 OR OVER	2	*	*	*	*	*	*	*	*	*	*	*	*	2	*
NO REPORT	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

* NO CASES REPORTED

TABLE 8-7. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, AGE, AND PRIMARY WORK ACTIVITY: 1975
CONTINUED

		RESEARCH AND DEVELOPMENT				....MANAGEMENT OR ADMIN....									
FIELD AND AGE	TOTAL	TOTAL	BASIC RE- SEARCH	APPL'D RE- SEARCH	DEVEL- OPMENT	TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH	TEACH- ING	CON- SULT- ING	SALES/ PROF. SER- VICES	OTHER	NOT EM- PLOYED	NO REPORT
COMPUTER SPECIALISTS															
TOTAL	3,662	1,476	236	377	863	815	416	246	153	1,092	86	90	49	5	49
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	241	157	45	42	70	*	*	*	*	71	*	12	*	*	1
30-34	1,129	593	57	172	364	157	108	26	23	276	28	21	32	1	21
35-39	826	274	32	92	150	250	81	89	80	258	8	20	1	*	15
40-44	556	213	33	35	145	145	87	40	18	172	8	9	*	1	8
45-49	432	102	53	20	29	165	90	49	26	135	20	*	5	3	2
50-54	289	100	12	14	74	59	20	39	*	103	14	*	11	*	2
55-59	100	6	*	*	6	18	12	*	6	53	*	23	*	*	*
60-64	57	24	4	2	18	16	16	*	*	12	*	5	*	*	*
65-69	29	7	*	*	7	2	2	*	*	12	8	*	*	*	*
70 OR OVER	3	*	*	*	*	3	*	3	*	*	*	*	*	*	*
NO REPORT	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ENVIRONMENTAL SCIENTISTS															
TOTAL	12,783	4,685	2,318	2,183	184	2,870	1,551	867	452	3,588	504	70	409	342	315
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	367	181	100	70	11	18	17	1	*	90	34	28	16	*	*
30-34	2,258	1,139	498	590	51	295	170	72	53	572	99	13	86	30	24
35-39	2,853	1,405	779	571	55	457	243	144	70	772	82	19	34	50	34
40-44	2,280	669	336	287	46	568	362	139	67	749	78	*	102	14	100
45-49	1,671	510	252	249	9	525	260	158	107	514	45	*	32	14	31
50-54	1,421	388	139	249	*	493	218	182	93	390	52	*	39	1	58
55-59	846	214	116	86	12	293	153	95	45	266	13	*	27	19	14
60-64	569	126	54	72	*	170	106	47	17	160	14	4	24	46	25
65-69	285	46	37	9	*	37	8	29	*	63	45	6	22	45	21
70 OR OVER	233	7	7	*	*	14	14	*	*	12	42	*	27	123	8
NO REPORT	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
EARTH SCIENTISTS															
TOTAL	10,076	3,138	1,352	1,669	117	2,378	1,164	802	412	3,135	472	59	350	295	249
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	294	142	83	57	2	12	11	1	*	73	34	17	16	*	*
30-34	1,588	669	239	395	35	264	147	64	53	465	70	13	76	15	16
35-39	2,139	891	421	442	28	380	197	121	62	699	82	19	15	31	22
40-44	1,771	418	169	218	31	433	243	132	58	663	78	*	89	14	76
45-49	1,410	372	152	211	9	463	211	158	94	453	45	*	32	14	31
50-54	1,147	311	111	200	*	391	142	166	83	326	52	*	30	1	36
55-59	734	182	98	72	12	245	113	87	45	239	13	*	27	14	14
60-64	508	103	38	65	*	148	84	47	17	147	11	4	24	46	25
65-69	272	43	34	9	*	34	8	26	*	58	45	6	20	45	21
70 OR OVER	213	7	7	*	*	8	8	*	*	12	42	*	21	115	8
NO REPORT	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OCEANOGRAPHERS															
TOTAL	1,353	640	516	120	4	278	215	23	40	312	9	*	49	33	32
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	32	15	4	11	*	*	*	*	*	17	*	*	*	*	*
30-34	330	212	180	28	4	21	15	6	*	73	9	*	*	7	8
35-39	329	191	167	24	*	43	26	9	8	57	*	*	19	19	*
40-44	298	118	98	20	*	75	66	*	9	68	*	*	13	*	24
45-49	159	70	55	15	*	52	39	*	13	37	*	*	*	*	*
50-54	104	22	5	17	*	27	12	5	10	46	*	*	9	*	*
55-59	45	6	6	*	*	31	31	*	*	3	*	*	*	5	*
60-64	32	6	1	5	*	20	20	*	*	6	*	*	*	*	*
65-69	10	*	*	*	*	3	*	3	*	5	*	*	2	*	*
70 OR OVER	14	*	*	*	*	6	6	*	*	*	*	*	6	2	*
NO REPORT	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ATMOSPHERIC SCIENTISTS															
TOTAL	1,354	907	450	394	63	214	172	42	*	141	23	11	10	14	34
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	41	24	13	2	9	6	6	*	*	*	*	11	*	*	*
30-34	340	258	79	167	12	10	8	2	*	34	20	*	10	8	*
35-39	385	323	191	105	27	34	20	14	*	16	*	*	*	*	12
40-44	211	133	69	49	15	60	53	7	*	18	*	*	*	*	*
45-49	102	68	45	23	*	10	10	*	*	24	*	*	*	*	*
50-54	170	55	23	32	*	75	64	11	*	18	*	*	*	*	22
55-59	67	26	12	14	*	17	9	8	*	24	*	*	*	*	*
60-64	29	17	15	2	*	2	2	*	*	7	3	*	*	*	*
65-69	3	3	3	*	*	*	*	*	*	*	*	*	*	*	*
70 OR OVER	6	*	*	*	*	*	*	*	*	*	*	*	*	6	*
NO REPORT	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ENGINEERS															
TOTAL	44,425	16,833	1,661	8,189	6,983	12,855	8,133	3,123	1,599	9,592	1,706	391	1,265	1,069	714
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	1,276	977	110	535	332	96	60	12	24	98	40	19	32	14	*
30-34	10,163	5,799	611	2,819	2,369	1,898	1,290	425	183	1,417	328	117	372	153	79
35-39	10,846	4,433	330	2,139	1,964	2,951	1,997	740	214	2,412	389	106	260	65	230
40-44	7,640	2,582	298	1,247	1,037	2,444	1,534	559	351	1,993	229	35	227	47	83
45-49	5,094	1,377	167	710	500	1,874	1,183	461	230	1,380	155	41	108	44	115
50-54	4,735	960	83	463	414	2,107	1,214	548	345	1,155	166	23	126	101	97
55-59	2,310	368	40	124	204	949	568	253	128	671	108	7	54	91	62
60-64	1,351	222	8	79	135	418	221	102	95	353	147	31	48	100	32
65-69	653	90	14	50	26	91	46	16	29	104	99	12	17	231	9
70 OR OVER	294	10	*	8	2	7	*	7	*	4	45	*	9	212	7
NO REPORT	63	15	*	15	*	20	20	*	*	5	*	*	12	11	*
LIFE SCIENTISTS															
TOTAL	72,316	27,275	18,011	8,573	691	11,340	6,572	2,952	1,816	20,975	947	2,361	2,237	5,167	2,014
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	2,552	1,574	1,343	229	2	44	10	26	8	479	36	124	86	177	32
30-34	14,756	7,346	5,416	1,672	258	1,131	703	299	129	3,874	169	650	512	779	295
35-39	13,650	6,159	4,072	1,952	135	1,657	919	480	258	4,092	223	351	435	387	346
40-44	10,436	3,719	2,284	1,338	97	2,022	1,280	469	273	3,509	137	277	276	199	297
45-49	9,597	3,293	1,955	1,274	64	2,075	1,204	539	332	3,125	63	320	248	195	278
50-54	7,869	2,425	1,377	992	56	2,035	1,090	574	371	2,470	44	203	269	176	247
55-59	5,438	1,581	879	667	35	1,330	729	361	240	1,647	71	171	181	232	225
60-64	3,720	760	398	332	30	793	466	148	179	1,268	60	151	130	455	103
65-69	2,428	331	226	96	9	220	138	56	26	404	109	48	74	1,124	118
70 OR OVER	1,771	69	48	21	*	28	28	*	*	101	35	61	21	1,383	73
NO REPORT	99	18	13	*	5	5	5	*	*	6	*	5	5	60	*

* NO CASES REPORTED

TABLE 8-7. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, AGE, AND PRIMARY WORK ACTIVITY: 1975
CONTINUED

FIELD AND AGE	TOTAL	RESEARCH AND DEVELOPMENT				....MANAGEMENT OR ADMIN....				TEACHING	CONSULTING	SALES/ PROF. SERVICES	OTHER	NOT EMPLOYED	NO REPORT
		TOTAL	BASIC RESEARCH	APPL'D RESEARCH	DEVELOPMENT	TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH						
BIOLOGICAL SCIENTISTS															
TOTAL	43,754	17,352	14,074	3,022	256	4,824	2,663	1,368	793	15,225	379	352	885	3,721	1,016
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	1,772	1,228	1,148	80	*	19	1	18	*	363	36	13	23	74	16
30-34	9,639	5,056	4,335	652	69	524	310	145	69	3,008	75	115	223	435	203
35-39	8,541	3,960	3,147	755	58	678	411	174	93	3,180	112	53	140	263	155
40-44	5,898	2,180	1,655	466	59	765	452	217	96	2,489	34	51	94	159	126
45-49	5,678	1,928	1,485	428	15	924	478	263	183	2,30[illegible]	39	56	90	173	166
50-54	4,256	1,465	1,114	318	33	833	417	272	144	1,53[illegible]	21	21	129	164	88
55-59	2,910	842	652	174	16	585	309	160	116	1,085	12	29	78	177	102
60-64	2,168	456	323	127	6	404	234	95	75	863	16	8	63	291	67
65-69	1,600	181	160	21	*	92	51	24	17	334	24	*	40	875	54
70 OR OVER	1,220	43	42	1	*	*	*	*	*	60	10	6	*	1,062	39
NO REPORT	72	13	13	*	*	*	*	*	*	6	*	*	5	48	*
AGRICULTURAL SCIENTISTS															
TOTAL	14,277	5,865	1,323	4,312	230	3,008	1,907	606	495	2,676	390	449	794	621	474
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	212	118	24	92	2	*	*	*	*	62	*	16	11	*	5
30-34	2,321	1,114	269	752	93	299	191	96	12	425	67	192	150	34	40
35-39	2,476	1,237	314	887	36	402	192	128	82	324	111	90	215	24	73
40-44	2,351	946	222	691	33	586	406	103	77	462	72	49	114	20	102
45-49	1,994	931	218	681	32	486	341	67	78	394	6	36	96	11	34
50-54	1,932	657	109	539	9	588	356	96	136	448	13	41	108	*	77
55-59	1,446	529	111	402	16	396	238	85	73	325	38	21	46	30	61
60-64	834	236	33	194	9	194	146	20	28	198	21	4	30	120	31
65-69	411	92	23	69	*	48	28	11	9	27	44	*	12	159	29
70 OR OVER	289	5	*	5	*	4	4	*	*	11	1[illegible]	*	12	217	22
NO REPORT	11	*	*	*	*	5	5	*	*	*	[illegible]	*	*	6	*
MEDICAL SCIENTISTS															
TOTAL	14,285	4,058	2,614	1,239	205	3,508	2,002	978	528	3,074	178	1,560	558	825	524
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	568	228	171	57	*	25	9	8	8	54	*	95	52	103	11
30-34	2,796	1,176	812	268	96	308	202	58	48	441	27	343	139	310	52
35-39	2,633	962	611	310	41	577	316	178	83	588	*	208	80	100	118
40-44	2,187	593	407	181	5	671	422	149	100	558	31	177	68	20	69
45-49	1,925	434	252	165	17	665	385	209	71	429	18	228	62	11	78
50-54	1,681	303	154	135	14	614	317	206	91	487	10	141	32	12	82
55-59	1,082	210	116	91	3	349	182	116	51	237	21	121	57	25	62
60-64	718	68	42	11	15	195	86	33	76	207	23	139	37	44	5
65-69	417	58	43	6	9	80	59	21	*	43	41	48	22	90	35
70 OR OVER	262	21	6	15	*	24	24	*	*	30	7	55	9	104	12
NO REPORT	16	5	*	*	5	*	*	*	*	*	*	5	*	6	*
PSYCHOLOGISTS															
TOTAL	31,613	3,486	1,893	1,355	238	5,519	1,784	2,765	970	11,418	1,268	7,452	518	1,279	673
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	1,552	296	180	113	3	161	79	43	39	683	14	348	29	12	9
30-34	6,577	899	486	382	31	662	244	292	126	2,673	209	1,797	80	157	100
35-39	5,303	831	489	266	76	786	270	414	102	1,980	209	1,229	92	88	88
40-44	4,691	509	245	209	55	1,076	389	487	200	1,796	128	945	67	85	85
45-49	4,550	386	218	135	33	1,132	268	655	209	1,535	183	1,060	80	135	39
50-54	3,899	272	110	137	25	903	307	482	114	1,331	218	898	53	78	146
55-59	2,386	178	109	59	10	402	134	169	99	779	117	691	61	76	82
60-64	1,362	52	17	30	5	301	56	187	58	415	95	305	36	88	70
65-69	718	45	28	17	*	86	39	33	23	196	47	111	5	195	33
70 OR OVER	537	18	11	7	*	4	1	3	*	27	48	54	15	350	21
NO REPORT	38	*	*	*	*	6	6	*	*	3	*	14	*	15	*
SOCIAL SCIENTISTS															
TOTAL	38,251	4,827	2,263	2,406	158	5,840	1,844	2,915	1,081	21,899	599	427	1,232	2,286	1,141
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	1,048	253	158	77	18	56	10	32	14	563	*	35	74	29	38
30-34	7,240	1,290	505	735	50	600	311	207	82	4,429	113	94	337	175	202
35-39	7,079	1,149	523	613	13	927	340	417	170	4,295	132	100	151	146	179
40-44	5,554	760	399	350	11	807	180	441	186	3,582	58	46	126	95	80
45-49	5,110	487	198	259	30	1,114	329	541	244	3,000	66	33	181	83	146
50-54	4,378	324	219	96	9	1,019	321	541	157	2,584	53	38	121	87	152
55-59	3,130	250	116	119	15	744	176	457	111	1,751	21	31	137	95	101
60-64	2,245	233	122	99	12	409	147	170	92	1,210	70	25	66	110	122
65-69	1,209	55	14	41	*	138	27	86	25	346	50	10	14	528	68
70 OR OVER	1,116	24	9	15	*	*	*	*	*	109	34	15	12	876	46
NO REPORT	142	2	*	2	*	26	3	23	*	30	2	*	13	62	7
ECONOMISTS															
TOTAL	11,049	1,740	530	1,194	16	2,059	762	908	389	5,347	283	144	452	752	272
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	224	94	57	37	*	*	*	*	*	78	*	18	*	16	18
30-34	2,289	549	131	407	11	291	181	74	36	1,197	43	11	141	3	54
35-39	1,921	457	163	311	3	332	137	107	88	935	55	33	64	17	28
40-44	1,479	287	100	185	2	219	70	106	43	836	46	22	37	6	26
45-49	1,242	122	54	68	*	338	129	125	84	649	37	5	55	22	14
50-54	1,221	72	29	43	*	364	101	194	69	664	19	19	50	*	33
55-59	1,077	83	3	80	*	295	57	208	30	549	13	11	71	17	38
60-64	678	64	13	51	*	170	78	53	39	338	33	15	15	18	25
65-69	376	10	*	10	*	47	6	41	*	76	33	*	9	189	12
70 OR OVER	495	*	*	*	*	*	*	*	*	25	4	10	10	429	17
NO REPORT	47	2	*	2	*	3	3	*	*	*	*	*	*	35	7
SOCIOLOGISTS/ANTHRO.															
TOTAL	8,775	1,201	721	480	*	829	280	457	92	5,735	33	57	74	589	257
24 OR UNDER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29	268	40	40	*	*	10	10	*	*	215	*	*	*	*	3
30-34	1,504	203	102	101	*	43	20	23	*	1,105	21	10	17	66	39
35-39	1,587	257	140	117	*	142	71	55	16	1,072	*	12	16	34	54
40-44	1,248	216	163	53	*	130	29	91	10	828	*	*	18	34	22
45-49	1,279	174	47	127	*	155	39	92	24	878	*	6	*	25	41
50-54	1,005	124	96	28	*	155	71	65	19	625	*	*	*	48	53
55-59	792	80	71	9	*	93	15	67	11	565	*	12	9	33	*
60-64	587	85	62	23	*	78	25	41	12	334	12	2	14	27	35
65-69	246	12	*	12	*	*	*	*	*	77	*	10	*	140	7
70 OR OVER	221	10	*	10	*	*	*	*	*	31	*	5	*	172	3
NO REPORT	38	*	*	*	*	23	*	23	*	5	*	*	*	10	*

* NO CASES REPORTED

TABLE B-7. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, AGE, AND PRIMARY WORK ACTIVITY: 1975
CONTINUED

		RESEARCH AND DEVELOPMENT				....MANAGEMENT OR ADMIN....									
FIELD AND AGE	TOTAL	TOTAL	BASIC RE-SEARCH	APPL'D RE-SEARCH	DEVEL-OPMENT	TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH	TEACH-ING	CON-SULT-ING	SALES/ PROF. SER-VICES	OTHER	NOT EM-PLOYED	NO REPORT
OTHER SOCIAL SCIENTISTS															
TOTAL........................	18,427	1,886	1,012	732	142	2,952	802	1,550	600	10,817	283	226	706	945	612
24 OR UNDER..............	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29......................	556	119	61	40	18	46	*	32	14	270	*	17	74	13	17
30-34......................	3,447	538	272	227	39	266	110	110	46	2,127	49	73	179	106	109
35-39......................	3,571	435	240	185	10	453	132	255	66	2,288	77	55	71	95	97
40-44......................	2,827	257	136	112	9	458	81	244	133	1,918	12	24	71	55	32
45-49......................	2,589	191	97	64	30	621	161	324	136	1,473	29	22	126	36	91
50-54......................	2,152	128	94	25	9	500	149	282	69	1,295	34	19	71	39	66
55-59......................	1,261	87	42	30	15	356	104	182	70	637	8	8	57	45	63
60-64......................	980	84	47	25	12	161	44	76	41	538	25	8	37	65	62
65-69......................	587	33	14	19	*	91	21	45	25	193	17	*	5	199	49
70 OR OVER..............	400	14	9	5	*	*	*	*	*	53	30	*	2	275	26
NO REPORT..............	57	*	*	*	*	*	*	*	*	25	2	*	13	17	*
NO REPORT															
TOTAL........................	658	4	2	*	2	18	3	15	*	39	*	5	5	564	23
24 OR UNDER..............	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25-29......................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
30-34......................	4	*	*	*	*	*	*	*	*	*	*	*	*	4	*
35-39......................	25	*	*	*	*	*	*	*	*	8	*	*	*	14	3
40-44......................	19	*	*	*	*	3	3	*	*	5	*	5	*	3	3
45-49......................	21	*	*	*	*	*	*	*	*	14	*	*	*	7	*
50-54......................	32	2	2	*	*	3	*	3	*	1	*	*	*	18	8
55-59......................	38	*	*	*	*	5	*	5	*	5	*	*	*	24	4
60-64......................	67	2	*	*	2	1	*	1	*	4	*	*	*	58	2
65-69......................	194	*	*	*	*	6	*	6	*	2	*	*	5	180	1
70 OR OVER..............	258	*	*	*	*	*	*	*	*	*	*	*	*	256	2
NO REPORT..............	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

* NO CASES REPORTED

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-8. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, RACE, AND PRIMARY WORK ACTIVITY: 1975

		RESEARCH AND DEVELOPMENT				....MANAGEMENT OR ADMIN....									
FIELD AND RACE	TOTAL	TOTAL	BASIC RE-SEARCH	APPL'D RE-SEARCH	DEVEL-OPMENT	TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH	TEACH-ING	CON-SULT-ING	SALES/ PROF. SER-VICES	OTHER	NOT EM-PLOYED	NO REPORT
ALL FIELDS															
TOTAL	277,517	84,510	39,121	33,779	11,610	52,838	29,286	16,023	7,529	93,665	5,655	11,824	7,691	15,106	6,228
WHITE/CAUCASIAN	247,723	73,602	34,195	29,611	9,796	48,867	26,986	14,942	6,939	84,372	5,025	10,756	6,872	13,201	5,028
BLACK/NEGRO	2,653	467	288	130	49	666	287	238	141	1,065	30	94	58	129	144
AMERICAN INDIAN	451	87	27	44	16	73	44	5	24	191	26	19	25	15	15
ASIAN	13,491	6,824	2,876	2,628	1,320	1,217	781	214	222	3,654	287	328	383	355	446
OTHER	214	45	15	21	9	20	19	1	*	107	20	*	12	8	2
NO REPORT	12,985	3,485	1,720	1,345	420	1,995	1,169	623	203	4,276	267	627	344	1,398	593
PHYSICAL SCIENTISTS															
TOTAL	59,267	23,158	11,144	9,856	2,158	12,334	8,595	2,491	1,248	15,764	396	963	1,802	3,794	1,056
WHITE/CAUCASIAN	53,127	20,407	9,687	8,825	1,895	11,576	8,033	2,351	1,192	14,154	380	862	1,575	3,339	834
BLACK/NEGRO	572	161	66	79	16	119	86	29	4	182	*	23	25	42	20
AMERICAN INDIAN	54	24	5	10	9	11	11	*	*	9	*	*	*	*	10
ASIAN	3,045	1,704	925	653	126	259	196	24	39	681	*	38	118	130	115
OTHER	18	9	*	9	*	*	*	*	*	9	*	*	*	*	*
NO REPORT	2,451	853	461	280	112	369	269	87	13	729	16	40	84	283	77
CHEMISTS															
TOTAL	38,784	14,003	6,158	6,359	1,486	9,504	6,749	1,868	887	9,478	287	797	1,498	2,560	657
WHITE/CAUCASIAN	34,914	12,316	5,378	5,634	1,304	8,880	6,274	1,754	852	8,654	283	709	1,307	2,238	527
BLACK/NEGRO	458	111	28	67	16	119	86	29	4	133	*	23	25	30	17
AMERICAN INDIAN	41	22	3	10	9	*	*	*	*	9	*	*	*	*	10
ASIAN	1,905	1,098	544	478	76	246	193	24	29	295	*	34	89	86	57
OTHER	2	*	*	*	*	*	*	*	*	2	*	*	*	*	*
NO REPORT	1,464	456	205	170	81	259	196	61	2	385	4	31	77	206	46
PHYSICISTS/ASTRONOMERS															
TOTAL	20,483	9,155	4,986	3,497	672	2,830	1,846	623	361	6,286	109	166	304	1,234	399
WHITE/CAUCASIAN	18,213	8,091	4,309	3,191	591	2,696	1,759	597	340	5,500	97	153	268	1,101	307
BLACK/NEGRO	114	50	38	12	*	*	*	*	*	49	*	*	*	12	3
AMERICAN INDIAN	13	2	2	*	*	11	11	*	*	*	*	*	*	*	*
ASIAN	1,140	606	381	175	50	13	3	*	10	386	*	4	29	44	58
OTHER	16	9	*	9	*	*	*	*	*	7	*	*	*	*	*
NO REPORT	987	397	256	110	31	110	73	26	11	344	12	9	7	77	31
MATHEMATICAL SCIENTISTS															
TOTAL	14,542	2,766	1,593	840	333	1,247	388	649	210	9,298	149	65	174	600	243
WHITE/CAUCASIAN	12,786	2,363	1,316	742	305	1,167	360	607	200	8,225	142	56	149	520	164
BLACK/NEGRO	106	5	3	2	*	11	*	11	*	81	*	*	*	7	2
AMERICAN INDIAN	21	10	10	*	*	*	*	*	*	11	*	*	*	*	*
ASIAN	726	159	95	45	19	24	21	3	*	489	7	*	2	12	33
OTHER	3	*	*	*	*	*	*	*	*	*	*	*	*	3	*
NO REPORT	900	229	169	51	9	45	7	28	10	492	*	9	23	58	44
MATHEMATICIANS															
TOTAL	12,729	2,383	1,468	633	282	1,015	280	559	176	8,290	54	60	151	579	197
WHITE/CAUCASIAN	11,153	2,012	1,210	548	254	944	261	517	166	7,328	48	51	137	500	133
BLACK/NEGRO	100	3	3	*	*	11	*	11	*	77	*	*	*	7	2
AMERICAN INDIAN	11	*	*	*	*	*	*	*	*	11	*	*	*	*	*
ASIAN	638	150	86	45	19	15	12	3	*	436	6	*	2	11	18
OTHER	3	*	*	*	*	*	*	*	*	*	*	*	*	3	*
NO REPORT	824	218	169	40	9	45	7	28	10	438	*	9	12	58	44
STATISTICIANS															
TOTAL	1,813	383	125	207	51	232	108	90	34	1,008	95	5	23	21	46
WHITE/CAUCASIAN	1,633	351	106	194	51	223	99	90	34	897	94	5	12	20	31
BLACK/NEGRO	6	2	*	2	*	*	*	*	*	4	*	*	*	*	*
AMERICAN INDIAN	10	10	10	*	*	*	*	*	*	*	*	*	*	*	*
ASIAN	88	9	9	*	*	9	9	*	*	53	1	*	*	1	15
OTHER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT	76	11	*	11	*	*	*	*	*	54	*	*	11	*	*
COMPUTER SPECIALISTS															
TOTAL	3,662	1,476	236	377	863	815	416	246	153	1,092	86	90	49	5	49
WHITE/CAUCASIAN	3,281	1,350	222	351	777	728	350	227	151	956	86	90	32	1	38
BLACK/NEGRO	33	6	*	*	6	26	21	5	*	*	*	*	*	1	*
AMERICAN INDIAN	3	1	*	*	1	*	*	*	*	*	*	*	*	1	*
ASIAN	189	76	5	8	63	19	16	3	*	76	*	*	12	3	2
OTHER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3
NO REPORT	156	43	9	18	16	42	29	11	2	60	*	*	5	*	6
ENVIRONMENTAL SCIENTISTS															
TOTAL	12,783	4,685	2,318	2,183	184	2,870	1,551	867	452	3,588	504	70	409	342	315
WHITE/CAUCASIAN	11,879	4,264	2,106	1,984	174	2,696	1,418	834	444	3,433	471	58	383	296	278
BLACK/NEGRO	41	*	*	*	*	25	8	17	*	10	5	1	*	*	*
AMERICAN INDIAN	1	*	*	*	*	*	*	*	*	1	*	*	*	*	*
ASIAN	322	219	118	91	10	25	15	10	*	30	5	11	18	10	4
OTHER	7	6	6	*	*	*	*	*	*	*	*	*	1	*	*
NO REPORT	533	196	88	108	*	124	110	6	8	114	23	*	7	36	33
EARTH SCIENTISTS															
TOTAL	10,076	3,138	1,352	1,669	117	2,378	1,164	802	412	3,135	472	59	350	295	249
WHITE/CAUCASIAN	9,461	2,915	1,279	1,522	114	2,248	1,075	769	404	2,994	439	58	324	260	223
BLACK/NEGRO	41	*	*	*	*	25	8	17	*	10	5	1	*	*	*
AMERICAN INDIAN	1	*	*	*	*	*	*	*	*	1	*	*	*	*	*
ASIAN	184	120	53	64	3	17	7	10	*	19	5	*	18	1	4
OTHER	7	6	6	*	*	*	*	*	*	*	*	*	1	*	*
NO REPORT	382	97	14	83	*	88	74	6	8	111	23	*	7	34	22
OCEANOGRAPHERS															
TOTAL	1,353	640	516	120	4	278	215	23	40	312	9	*	49	33	32
WHITE/CAUCASIAN	1,240	564	454	110	*	253	190	23	40	305	9	*	49	28	32
BLACK/NEGRO	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
AMERICAN INDIAN	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ASIAN	51	36	29	3	4	8	8	*	*	4	*	*	*	3	*
OTHER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT	62	40	33	7	*	17	17	*	*	3	*	*	*	2	*

* NO CASES REPORTED

TABLE B-8. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, RACE, AND PRIMARY WORK ACTIVITY: 1975
CONTINUED

FIELD AND RACE	TOTAL	RESEARCH AND DEVELOPMENT				....MANAGEMENT OR ADMIN....				TEACHING	CONSULTING	SALES/ PROF. SERVICES	OTHER	NOT EMPLOYED	NO REPORT
		TOTAL	BASIC RESEARCH	APPL'D RESEARCH	DEVELOPMENT	TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH						
ATMOSPHERIC SCIENTISTS															
TOTAL	1,354	907	450	394	63	214	172	42	*	141	23	11	10	14	34
WHITE/CAUCASIAN	1,178	785	373	352	60	195	153	42	*	134	23	*	10	8	23
BLACK/NEGRO	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
AMERICAN INDIAN	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ASIAN	87	63	36	24	3	*	*	*	*	7	*	11	*	6	*
OTHER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT	89	59	41	18	*	19	19	*	*	*	*	*	*	*	11
ENGINEERS															
TOTAL	44,425	16,833	1,661	8,189	6,983	12,855	8,133	3,123	1,599	9,592	1,706	391	1,265	1,069	714
WHITE/CAUCASIAN	38,227	13,603	1,358	6,541	5,704	11,880	7,501	2,910	1,469	8,398	1,401	322	1,090	953	580
BLACK/NEGRO	145	32	10	16	6	63	32	31	*	39	*	*	2	5	4
AMERICAN INDIAN	53	15	*	13	2	34	15	*	19	*	2	*	2	*	*
ASIAN	4,285	2,536	233	1,280	1,023	502	332	92	78	718	230	69	114	35	81
OTHER	31	*	*	*	*	12	12	*	*	19	*	*	*	*	*
NO REPORT	1,684	647	60	339	248	364	241	90	33	418	73	*	57	76	49
LIFE SCIENTISTS															
TOTAL	72,316	27,275	18,011	8,573	691	11,340	6,572	2,952	1,816	20,975	947	2,361	2,237	5,167	2,014
WHITE/CAUCASIAN	64,640	23,978	15,682	7,718	578	10,532	6,095	2,737	1,700	19,035	849	2,111	2,044	4,418	1,673
BLACK/NEGRO	831	186	151	28	7	168	82	64	22	347	10	15	23	46	36
AMERICAN INDIAN	105	36	12	21	3	2	2	*	*	39	12	*	11	5	*
ASIAN	3,320	1,936	1,401	462	73	205	139	30	36	662	33	124	85	134	141
OTHER	35	15	9	6	*	*	*	*	*	15	*	*	*	5	*
NO REPORT	3,385	1,124	756	338	30	433	254	121	58	877	43	111	74	559	164
BIOLOGICAL SCIENTISTS															
TOTAL	43,754	17,352	14,074	3,022	256	4,824	2,663	1,368	793	15,225	379	352	885	3,721	1,016
WHITE/CAUCASIAN	38,964	15,186	12,264	2,709	213	4,482	2,490	1,245	747	13,776	341	318	813	3,202	846
BLACK/NEGRO	612	162	137	19	6	123	52	55	16	252	9	6	23	25	12
AMERICAN INDIAN	49	19	10	6	3	*	*	*	*	20	*	*	5	5	*
ASIAN	2,022	1,250	1,047	174	29	75	44	12	19	478	13	13	29	95	69
OTHER	23	8	8	*	*	*	*	*	*	15	*	*	*	*	*
NO REPORT	2,084	727	608	114	5	144	77	56	11	684	16	15	15	394	89
AGRICULTURAL SCIENTISTS															
TOTAL	14,277	5,865	1,323	4,312	230	3,008	1,907	606	495	2,676	390	449	794	621	474
WHITE/CAUCASIAN	13,101	5,354	1,225	3,941	188	2,817	1,774	590	453	2,473	357	422	735	518	425
BLACK/NEGRO	77	5	*	5	*	25	19	*	6	39	*	*	*	6	2
AMERICAN INDIAN	42	15	*	15	*	*	*	*	*	15	12	*	*	*	*
ASIAN	429	281	66	183	32	35	29	*	6	57	10	5	17	9	15
OTHER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT	628	210	32	168	10	131	85	16	30	92	11	22	42	88	32
MEDICAL SCIENTISTS															
TOTAL	14,285	4,058	2,614	1,239	205	3,508	2,002	978	528	3,074	178	1,560	558	825	524
WHITE/CAUCASIAN	12,575	3,438	2,193	1,068	177	3,233	1,831	902	500	2,786	151	1,371	496	698	402
BLACK/NEGRO	142	19	14	4	1	20	11	9	*	56	1	9	*	15	22
AMERICAN INDIAN	14	2	2	*	*	2	2	*	*	4	*	*	6	*	*
ASIAN	869	405	288	105	12	95	66	18	11	127	10	106	39	30	57
OTHER	12	7	1	6	*	*	*	*	*	*	*	*	*	5	*
NO REPORT	673	187	116	56	15	158	92	49	17	101	16	74	17	77	43
PSYCHOLOGISTS															
TOTAL	31,613	3,486	1,893	1,355	238	5,519	1,784	2,765	970	11,418	1,268	7,452	518	1,279	673
WHITE/CAUCASIAN	28,974	3,283	1,802	1,260	221	5,034	1,580	2,572	882	10,487	1,150	6,859	468	1,168	525
BLACK/NEGRO	358	27	23	2	2	94	50	35	9	145	5	55	2	4	26
AMERICAN INDIAN	86	1	*	*	1	15	13	2	*	39	12	19	*	*	*
ASIAN	295	22	16	6	*	59	21	20	18	132	*	67	*	3	12
OTHER	41	15	*	6	9	7	7	*	*	7	10	*	*	*	2
NO REPORT	1,859	138	52	81	5	310	113	136	61	608	91	452	48	104	108
SOCIAL SCIENTISTS															
TOTAL	38,251	4,827	2,263	2,406	158	5,840	1,844	2,915	1,081	21,899	599	427	1,232	2,286	1,141
WHITE/CAUCASIAN	34,221	4,350	2,020	2,190	140	5,239	1,649	2,689	901	19,650	546	393	1,126	2,001	916
BLACK/NEGRO	561	50	35	3	12	160	8	46	106	260	10	*	6	19	56
AMERICAN INDIAN	125	*	*	*	*	8	*	3	5	92	*	*	12	10	3
ASIAN	1,308	172	83	83	6	124	41	32	51	866	12	19	31	27	57
OTHER	79	*	*	*	*	1	*	1	*	57	10	*	11	*	*
NO REPORT	1,951	255	125	130	*	308	146	144	18	974	21	15	46	229	109
ECONOMISTS															
TOTAL	11,049	1,740	530	1,194	16	2,059	762	908	389	5,347	283	144	452	752	272
WHITE/CAUCASIAN	9,837	1,566	487	1,077	2	1,823	658	830	335	4,807	258	141	419	629	194
BLACK/NEGRO	133	16	2	3	11	35	*	10	25	46	*	*	*	11	25
AMERICAN INDIAN	12	*	*	*	*	*	*	*	*	12	*	*	*	*	*
ASIAN	424	66	24	39	3	65	23	23	19	232	12	*	6	14	29
OTHER	14	*	*	*	*	*	*	*	*	3	*	*	11	*	*
NO REPORT	629	92	17	75	*	136	81	45	10	247	13	3	16	98	24
SOCIOLOGISTS/ANTHRO.															
TOTAL	8,775	1,201	721	480	*	829	280	457	92	5,735	33	57	74	589	257
WHITE/CAUCASIAN	7,839	1,120	665	455	*	734	251	423	60	5,119	33	57	57	518	201
BLACK/NEGRO	133	12	12	*	*	32	4	16	12	76	*	*	*	4	9
AMERICAN INDIAN	73	*	*	*	*	3	*	3	*	57	*	*	*	10	3
ASIAN	238	26	3	23	*	28	*	8	20	154	*	*	*	6	24
OTHER	20	*	*	*	*	*	*	*	*	20	*	*	*	*	*
NO REPORT	472	43	41	2	*	32	25	7	*	309	*	*	17	51	20
OTHER SOCIAL SCIENTISTS															
TOTAL	18,427	1,886	1,012	732	142	2,952	802	1,550	600	10,817	283	226	706	945	612
WHITE/CAUCASIAN	16,545	1,664	868	658	138	2,682	740	1,436	506	9,724	255	195	650	854	521
BLACK/NEGRO	295	22	21	*	1	93	4	20	69	138	10	*	6	4	22
AMERICAN INDIAN	40	*	*	*	*	5	*	*	5	23	*	*	12	*	*
ASIAN	646	80	56	21	3	31	18	1	12	480	*	19	25	7	4
OTHER	45	*	*	*	*	1	*	1	*	34	10	*	*	*	*
NO REPORT	856	120	67	53	*	140	40	92	8	418	8	12	13	80	65
NO REPORT															
TOTAL	658	4	2	*	2	18	3	15	*	39	*	5	5	564	23
WHITE/CAUCASIAN	588	4	2	*	2	15	*	15	*	34	*	5	5	505	20
BLACK/NEGRO	6	*	*	*	*	*	*	*	*	1	*	*	*	5	*
AMERICAN INDIAN	3	*	*	*	*	3	3	*	*	*	*	*	*	*	*
ASIAN	1	*	*	*	*	*	*	*	*	*	*	*	*	1	*
OTHER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT	60	*	*	*	*	*	*	*	*	4	*	*	*	53	3

* NO CASES REPORTED

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-9. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS BY FIELD, TYPE OF EMPLOYER, AND PRIMARY WORK ACTIVITY: 1975

FIELD AND TYPE OF EMPLOYER	TOTAL	RESEARCH AND DEVELOPMENT				....MANAGEMENT OR ADMIN....				TEACHING	CONSULTING	SALES/ PROF. SERVICES	OTHER	NOT EMPLOYED	NO REPORT
		TOTAL	BASIC RESEARCH	APPL'D RESEARCH	DEVELOPMENT	TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH						
ALL FIELDS															
TOTAL	277,517	84,510	39,121	33,779	11,610	52,838	29,286	16,023	7,529	93,665	5,655	11,824	7,691	15,106	6,228
BUSINESS/INDUSTRY	65,876	29,340	4,332	15,401	9,607	23,069	16,012	4,788	2,269	169	4,130	4,487	3,273	*	1,388
EDUCATIONAL INSTITUTIONS	153,249	36,694	26,069	9,927	698	15,810	5,266	7,015	3,529	92,823	569	2,585	1,297	*	3,471
4-YR. COLL./UNIV	147,633	36,633	26,059	9,896	678	15,098	5,143	6,585	3,370	89,034	368	1,904	1,242	*	3,354
2-YR. COLLEGES	3,674	33	10	20	3	368	72	208	88	3,124	19	79	13	*	38
ELEM/SEC. SCHOOLS	1,942	25	*	11	17	344	51	222	71	665	182	602	42	*	79
HOSPITALS/CLINICS	7,586	1,370	946	364	60	1,838	425	1,061	352	205	162	3,468	324	*	219
NONPROFIT ORGS	8,510	4,473	2,273	1,900	300	2,630	1,463	787	380	123	249	250	608	*	177
FEDERAL GOVT	19,452	10,646	4,768	5,207	671	6,258	4,824	890	544	149	258	331	1,274	*	536
MILITARY/COMM. CORPS	2,182	635	340	178	117	1,073	614	376	83	123	7	170	155	*	19
STATE GOVT	3,110	921	299	509	113	1,263	421	659	183	29	126	272	396	*	103
OTHER GOVT	2,011	399	80	275	44	865	256	433	176	*	146	238	312	*	51
OTHER	86	2	*	2	*	22	*	9	13	16	6	8	22	*	10
NOT EMPLOYED	15,106	*	*	*	*	*	*	*	*	*	*	*	*	15,106	*
NO REPORT	349	30	14	16	*	10	5	5	*	8	2	15	30	*	254
PHYSICAL SCIENTISTS															
TOTAL	59,267	23,158	11,144	9,856	2,158	12,334	8,595	2,491	1,248	15,764	396	963	1,802	3,794	1,056
BUSINESS/INDUSTRY	22,385	11,548	2,639	7,085	1,824	8,296	6,462	1,193	641	9	351	756	1,070	*	355
EDUCATIONAL INSTITUTIONS	26,141	7,500	6,073	1,267	160	2,160	825	945	390	15,720	16	97	146	*	502
4-YR. COLL./UNIV	24,642	7,500	6,073	1,267	160	2,089	822	886	381	14,316	16	93	146	*	482
2-YR. COLLEGES	1,135	*	*	*	*	37	*	28	9	1,092	*	4	*	*	2
ELEM/SEC. SCHOOLS	364	*	*	*	*	34	3	31	*	312	*	*	*	*	18
HOSPITALS/CLINICS	492	215	120	69	26	145	23	66	56	*	*	68	49	*	15
NONPROFIT ORGS	1,979	1,214	715	462	37	535	302	165	68	3	10	*	173	*	44
FEDERAL GOVT	3,787	2,453	1,473	880	100	1,001	868	66	67	8	9	9	234	*	73
MILITARY/COMM. CORPS	312	154	98	45	11	116	96	20	*	5	*	*	20	*	17
STATE GOVT	215	50	26	24	*	52	8	34	10	*	*	29	84	*	*
OTHER GOVT	81	24	*	24	*	29	11	2	16	*	10	4	14	*	*
OTHER	11	*	*	*	*	*	*	*	*	11	*	*	*	*	*
NOT EMPLOYED	3,794	*	*	*	*	*	*	*	*	*	*	*	*	3,794	*
NO REPORT	70	*	*	*	*	*	*	*	*	8	*	*	12	*	50
CHEMISTS															
TOTAL	38,784	14,003	6,158	6,359	1,486	9,504	6,749	1,668	387	9,478	287	797	1,498	2,560	657
BUSINESS/INDUSTRY	18,278	8,729	1,976	5,332	1,421	7,329	5,744	1,040	545	9	271	649	974	*	317
EDUCATIONAL INSTITUTIONS	14,402	3,415	2,990	397	28	1,109	333	576	200	9,453	14	62	108	*	241
4-YR. COLL./UNIV	13,320	3,415	2,990	397	28	1,057	330	536	191	8,433	14	62	108	*	231
2-YR. COLLEGES	795	*	*	*	*	36	*	27	9	757	*	*	*	*	2
ELEM/SEC. SCHOOLS	287	*	*	*	*	16	3	13	*	263	*	*	*	*	8
HOSPITALS/CLINICS	387	173	120	39	14	115	16	55	44	*	*	49	42	*	8
NONPROFIT ORGS	1,071	587	380	187	20	325	177	115	33	3	2	*	128	*	26
FEDERAL GOVT	1,697	981	620	358	3	542	463	37	42	8	*	4	136	*	24
MILITARY/COMM. CORPS	99	53	46	7	*	19	8	11	*	5	*	*	11	*	11
STATE GOVT	195	41	26	15	*	52	8	34	10	*	*	29	73	*	*
OTHER GOVT	55	24	*	24	*	13	*	*	13	*	*	4	14	*	*
OTHER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NOT EMPLOYED	2,560	*	*	*	*	*	*	*	*	*	*	*	*	2,560	*
NO REPORT	40	*	*	*	*	*	*	*	*	*	*	*	12	*	28
PHYSICISTS/ASTRONOMERS															
TOTAL	20,483	9,155	4,986	3,497	672	2,830	1,846	623	361	6,286	109	166	304	1,234	399
BUSINESS/INDUSTRY	4,107	2,819	663	1,753	403	967	718	153	96	*	80	107	96	*	38
EDUCATIONAL INSTITUTIONS	11,739	4,085	3,083	870	132	1,051	492	369	190	6,267	2	35	38	*	261
4-YR. COLL./UNIV	11,322	4,085	3,083	870	132	1,032	492	350	190	5,883	2	31	38	*	251
2-YR. COLLEGES	340	*	*	*	*	1	*	1	*	335	*	4	*	*	*
ELEM/SEC. SCHOOLS	77	*	*	*	*	18	*	18	*	49	*	*	*	*	10
HOSPITALS/CLINICS	105	42	*	30	12	30	7	11	12	*	*	19	7	*	7
NONPROFIT ORGS	908	627	335	275	17	210	125	50	35	*	8	*	45	*	18
FEDERAL GOVT	2,090	1,472	853	522	97	459	405	29	25	*	9	5	98	*	47
MILITARY/COMM. CORPS	213	101	52	38	11	97	88	9	*	*	*	*	9	*	6
STATE GOVT	20	9	*	9	*	*	*	*	*	*	*	*	11	*	*
OTHER GOVT	26	*	*	*	*	16	11	2	3	*	10	*	*	*	[illegible]
OTHER	11	*	*	*	*	*	*	*	*	11	*	*	*	*	[illegible]
NOT EMPLOYED	1,234	*	*	*	*	*	*	*	*	*	*	*	*	1,234	[illegible]
NO REPORT	30	*	*	*	*	*	*	*	*	8	*	*	*	*	22
MATHEMATICAL SCIENTISTS															
TOTAL	14,542	2,766	1,593	840	333	1,247	388	649	210	9,298	149	65	174	600	243
BUSINESS/INDUSTRY	1,066	558	77	299	182	252	153	85	14	20	95	27	86	*	28
EDUCATIONAL INSTITUTIONS	12,006	1,665	1,400	215	50	807	111	512	184	9,256	24	14	41	*	199
4-YR. COLL./UNIV	11,682	1,665	1,400	215	50	797	111	502	184	8,948	21	14	38	*	199
2-YR. COLLEGES	266	*	*	*	*	3	*	3	*	260	*	*	3	*	*
ELEM/SEC. SCHOOLS	58	*	*	*	*	7	*	7	*	48	3	*	*	*	*
HOSPITALS/CLINICS	2	2	*	2	*	*	*	*	*	*	*	*	*	*	*
NONPROFIT ORGS	214	126	49	77	*	27	16	9	2	11	9	19	12	*	10
FEDERAL GOVT	572	408	67	240	101	108	87	11	10	*	21	5	24	*	6
MILITARY/COMM. CORPS	47	*	*	*	*	36	16	20	*	11	*	*	*	*	*
STATE GOVT	28	*	*	*	*	17	5	12	*	*	*	*	11	*	*
OTHER GOVT	7	7	*	7	*	*	*	*	*	*	*	*	*	*	*
OTHER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NOT EMPLOYED	600	*	*	*	*	*	*	*	*	*	*	*	*	600	*
NO REPORT	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MATHEMATICIANS															
TOTAL	12,729	2,383	1,468	633	282	1,015	280	559	176	8,290	54	60	151	579	197
BUSINESS/INDUSTRY	847	465	67	248	150	206	115	77	14	20	31	27	86	*	12
EDUCATIONAL INSTITUTIONS	10,655	1,513	1,298	165	50	658	74	430	154	8,248	6	14	41	*	175
4-YR. COLL./UNIV	10,335	1,513	1,298	165	50	648	74	420	154	7,944	3	14	38	*	175
2-YR. COLLEGES	262	*	*	*	*	3	*	3	*	256	*	*	3	*	*
ELEM/SEC. SCHOOLS	58	*	*	*	*	7	*	7	*	48	3	*	*	*	*
HOSPITALS/CLINICS	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NONPROFIT ORGS	190	111	49	62	*	27	16	9	2	11	*	19	12	*	10
FEDERAL GOVT	381	287	54	151	82	76	59	11	6	*	17	*	1	*	*
MILITARY/COMM. CORPS	47	*	*	*	*	36	16	20	*	11	*	*	*	*	*
STATE GOVT	23	*	*	*	*	12	*	12	*	*	*	*	11	*	*
OTHER GOVT	7	7	*	7	*	*	*	*	*	*	*	*	*	*	*
OTHER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NOT EMPLOYED	579	*	*	*	*	*	*	*	*	*	*	*	*	579	*
NO REPORT	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

* NO CASES REPORTED

TABLE B-9. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS BY FIELD, TYPE OF EMPLOYER, AND PRIMARY WORK ACTIVITY: 1975
CONTINUED

FIELD AND TYPE OF EMPLOYER	TOTAL	RESEARCH AND DEVELOPMENT TOTAL	BASIC RE-SEARCH	APPL'D RE-SEARCH	DEVEL-OPMENT	....MANAGEMENT OR ADMIN.... TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH	TEACH-ING	CON-SULT-ING	SALES/ PROF. SER-VICES	OTHER	NOT EM-PLOYED	NO REPORT
STATISTICIANS															
TOTAL....................	1,813	383	125	207	51	232	108	90	34	1,008	95	5	23	21	46
BUSINESS/INDUSTRY........	219	93	10	51	32	46	38	8	*	*	64	*	*	*	16
EDUCATIONAL INSTITUTIONS	1,351	152	102	50	*	149	37	82	30	1,008	18	*	*	*	24
4-YR. COLL./UNIV.......	1,347	152	102	50	*	149	37	82	30	1,004	18	*	*	*	24
2-YR. COLLEGES.........	4	*	*	*	*	*	*	*	*	4	*	*	*	*	*
ELEM/SEC. SCHOOLS......	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HOSPITALS/CLINICS........	2	2	*	2	*	*	*	*	*	*	*	*	*	*	*
NONPROFIT ORGS...........	24	15	*	15	*	*	*	*	*	*	*	*	*	*	*
FEDERAL GOVT.............	191	121	13	89	19	32	28	*	4	*	9	*	*	*	*
MILITARY/COMM. CORPS.....	*	*	*	*	*	*	*	*	*	*	4	5	23	*	6
STATE GOVT...............	5	*	*	*	*	5	5	*	*	*	*	*	*	*	*
OTHER GOVT...............	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OTHER....................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NOT EMPLOYED.............	21	*	*	*	*	*	*	*	*	*	*	*	*	21	*
NO REPORT................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
COMPUTER SPECIALISTS															
TOTAL....................	3,662	1,476	236	377	863	815	416	246	153	1,092	86	90	49	5	49
BUSINESS/INDUSTRY........	1,474	905	47	198	660	346	232	71	43	6	74	78	49	*	16
EDUCATIONAL INSTITUTIONS	1,765	347	177	82	88	317	71	149	97	1,076	*	*	*	*	25
4-YR. COLL./UNIV.......	1,761	347	177	82	88	317	71	149	97	1,072	*	*	*	*	25
2-YR. COLLEGES.........	4	*	*	*	*	*	*	*	*	4	*	*	*	*	*
ELEM/SEC. SCHOOLS......	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HOSPITALS/CLINICS........	10	10	*	*	10	*	*	*	*	*	*	*	*	*	*
NONPROFIT ORGS...........	88	58	5	35	18	18	13	5	*	*	12	*	*	*	*
FEDERAL GOVT.............	211	130	*	62	68	63	55	*	8	10	*	*	*	*	8
MILITARY/COMM. CORPS.....	72	4	*	*	4	56	33	21	2	*	*	12	*	*	*
STATE GOVT...............	3	1	*	*	1	2	2	*	*	*	*	*	*	*	*
OTHER GOVT...............	31	21	7	*	14	10	10	*	*	*	*	*	*	*	*
OTHER....................	3	*	*	*	*	3	*	*	3	*	*	*	*	*	*
NOT EMPLOYED.............	5	*	*	*	*	*	*	*	*	*	*	*	*	5	*
NO REPORT................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ENVIRONMENTAL SCIENTISTS															
TOTAL....................	12,783	4,685	2,318	2,183	184	2,870	1,551	867	452	3,588	504	70	409	342	315
BUSINESS/INDUSTRY........	2,978	1,089	160	843	86	1,136	464	441	231	15	453	42	145	*	98
EDUCATIONAL INSTITUTIONS	6,170	1,735	1,198	518	19	658	422	141	95	3,572	5	28	34	*	138
4-YR. COLL./UNIV.......	6,015	1,725	1,196	510	19	658	422	141	95	3,42[illegible]	5	28	34	*	137
2-YR. COLLEGES.........	129	10	2	8	*	*	*	*	*	119	*	*	*	*	*
ELEM/SEC. SCHOOLS......	26	*	*	*	*	*	*	*	*	25	*	*	*	*	1
HOSPITALS/CLINICS........	1	*	*	*	*	*	*	*	*	*	*	*	1	*	*
NONPROFIT ORGS...........	534	343	208	129	6	136	55	61	20	1	8	*	36	*	10
FEDERAL GOVT.............	2,230	1,328	714	569	45	707	546	87	74	*	17	*	128	*	50
MILITARY/COMM. CORPS.....	92	25	7	*	18	55	*	47	8	*	*	*	12	*	*
STATE GOVT...............	357	150	23	117	10	127	51	52	24	*	21	*	40	*	19
OTHER GOVT...............	79	15	8	7	*	51	13	38	*	*	*	*	13	*	*
OTHER....................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NOT EMPLOYED.............	342	*	*	*	*	*	*	*	*	*	*	*	*	342	*
NO REPORT................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
EARTH SCIENTISTS															
TOTAL....................	10,076	3,138	1,352	1,669	117	2,378	1,164	802	412	3,135	472	59	350	295	249
BUSINESS/INDUSTRY........	2,730	950	129	745	76	1,074	432	424	218	15	421	42	141	*	87
EDUCATIONAL INSTITUTIONS	4,754	994	598	388	8	487	272	128	87	3,119	5	17	25	*	107
4-YR. COLL./UNIV.......	4,628	984	596	380	8	487	272	128	87	3,004	5	17	25	*	106
2-YR. COLLEGES.........	100	10	2	8	*	*	*	*	*	90	*	*	*	*	*
ELEM/SEC. SCHOOLS......	26	*	*	*	*	*	*	*	*	25	*	*	*	*	1
HOSPITALS/CLINICS........	1	*	*	*	*	*	*	*	*	*	*	*	1	*	*
NONPROFIT ORGS...........	295	160	87	73	*	92	24	58	10	1	8	*	24	*	10
FEDERAL GOVT.............	1,577	894	505	366	23	522	388	69	65	*	17	*	118	*	26
MILITARY/COMM. CORPS.....	48	7	7	*	*	41	*	33	8	*	*	*	*	*	*
STATE GOVT...............	310	125	18	97	10	114	38	52	24	*	21	*	31	*	19
OTHER GOVT...............	66	8	8	*	*	48	10	38	*	*	*	*	10	*	*
OTHER....................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NOT EMPLOYED.............	295	*	*	*	*	*	*	*	*	*	*	*	*	295	*
NO REPORT................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OCEANOGRAPHERS															
TOTAL....................	1,353	640	516	120	4	278	215	23	40	312	9	*	49	33	32
BUSINESS/INDUSTRY........	76	23	*	23	*	40	21	6	13	*	9	*	4	*	*
EDUCATIONAL INSTITUTIONS	840	383	359	30	*	122	109	5	8	312	*	*	9	*	8
4-YR. COLL./UNIV.......	818	389	359	30	*	122	109	5	8	290	*	*	9	*	8
2-YR. COLLEGES.........	22	*	*	*	*	*	*	*	*	22	*	*	*	*	*
ELEM/SEC. SCHOOLS......	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HOSPITALS/CLINICS........	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NONPROFIT ORGS...........	107	65	54	11	*	30	17	3	10	*	*	*	12	*	*
FEDERAL GOVT.............	239	144	[illegible]	42	4	71	53	9	9	*	*	*	*	*	24
MILITARY/COMM. CORPS.....	12	*	*	[illegible]	*	*	*	*	*	*	*	*	12	*	*
STATE GOVT...............	33	12	5	7	*	12	12	*	*	*	*	*	9	*	*
OTHER GOVT...............	13	7	*	7	*	3	3	*	*	*	*	*	3	*	*
OTHER....................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NOT EMPLOYED.............	33	*	*	*	*	*	*	*	*	*	*	*	*	33	*
NO REPORT................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ATMOSPHERIC SCIENTISTS															
TOTAL....................	1,354	907	450	394	63	214	172	[illegible]	*	141	23	11	10	14	34
BUSINESS/INDUSTRY........	172	116	31	75	10	22	11	11	*	*	23	*	*	*	11
EDUCATIONAL INSTITUTIONS	576	352	241	100	11	49	41	8	*	141	*	11	*	*	23
4-YR. COLL./UNIV.......	569	352	241	100	11	49	41	8	*	134	*	11	*	*	23
2-YR. COLLEGES.........	7	*	*	*	*	*	*	*	*	7	*	*	*	*	*
ELEM/SEC. SCHOOLS......	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HOSPITALS/CLINICS........	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NONPROFIT ORGS...........	132	118	67	45	6	14	14	*	*	*	*	*	*	*	*
FEDERAL GOVT.............	414	290	111	161	18	114	105	9	*	*	*	*	10	*	*
MILITARY/COMM. CORPS.....	32	18	*	*	18	14	*	14	*	*	*	*	*	*	*
STATE GOVT...............	14	13	*	13	*	1	1	*	*	*	*	*	*	*	*
OTHER GOVT...............	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OTHER....................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NOT EMPLOYED.............	14	*	*	*	*	*	*	*	*	*	*	*	*	14	*
NO REPORT................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

* NO CASES REPORTED

TABLE 8-9. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS BY FIELD, TYPE OF EMPLOYER, AND PRIMARY WORK ACTIVITY: 1975
CONTINUED

FIELD AND TYPE OF EMPLOYER	TOTAL	RESEARCH AND DEVELOPMENT				....MANAGEMENT OR ADMIN....				TEACHING	CONSULTING	SALES/ PROF. SERVICES	OTHER	NOT EMPLOYED	NO REPORT
		TOTAL	BASIC RESEARCH	APPL'D RESEARCH	DEVELOPMENT	TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH						
ENGINEERS															
TOTAL	44,425	16,833	1,661	8,189	6,983	12,855	8,133	3,123	1,599	9,592	1,706	391	1,265	1,069	714
BUSINESS/INDUSTRY	22,535	11,498	391	4,905	6,202	8,047	5,365	1,862	820	36	1,503	380	722	*	349
EDUCATIONAL INSTITUTIONS	15,306	2,981	951	1,791	239	2,402	1,003	798	601	9,468	65	8	87	*	295
4-YR. COLL./UNIV	15,129	2,973	943	1,791	239	2,351	984	766	601	9,368	57	8	77	*	295
2-YR. COLLEGES	177	8	8	*	*	51	19	32	*	100	8	*	10	*	*
ELEM/SEC. SCHOOLS	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HOSPITALS/CLINICS	24	16	*	11	5	*	*	*	*	*	1	*	7	*	*
NONPROFIT ORGS	1,233	679	66	478	135	397	310	79	8	*	44	3	100	*	10
FEDERAL GOVT	3,079	1,411	228	897	286	1,325	1,168	74	83	23	73	*	219	*	28
MILITARY/COMM. CORPS	700	125	11	39	75	473	261	158	54	57	*	*	43	*	2
STATE GOVT	227	93	14	52	27	102	26	66	10	8	2	*	22	*	*
OTHER GOVT	211	19	*	5	14	109	*	86	23	*	18	*	65	*	*
OTHER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NOT EMPLOYED	1,069	*	*	*	*	*	*	*	*	*	*	*	*	1,069	*
NO REPORT	41	11	*	11	*	*	*	*	*	*	*	*	*	*	30
LIFE SCIENTISTS															
TOTAL	72,316	27,275	18,011	8,573	691	11,340	6,572	2,952	1,816	20,975	947	2,361	2,237	5,167	2,014
BUSINESS/INDUSTRY	9,129	2,913	855	1,541	517	3,654	2,798	522	334	26	527	922	741	*	346
EDUCATIONAL INSTITUTIONS	45,115	17,479	12,913	4,490	76	4,156	1,611	1,523	1,022	20,820	162	655	644	*	1,199
4-YR. COLL./UNIV	44,074	17,476	12,913	4,490	73	4,016	1,596	1,430	990	19,938	162	655	644	*	1,185
2-YR. COLLEGES	876	3	*	*	3	125	17	76	32	739	*	*	*	*	9
ELEM/SEC. SCHOOLS	165	*	*	*	*	17	*	17	*	143	*	*	*	*	5
HOSPITALS/CLINICS	2,259	877	742	116	19	488	128	246	114	49	40	556	185	*	64
NONPROFIT ORGS	1,880	1,215	960	241	14	434	227	135	72	15	30	27	110	*	49
FEDERAL GOVT	6,496	3,960	2,096	1,828	36	1,797	1,426	233	138	39	90	59	317	*	234
MILITARY/COMM. CORPS	601	263	183	71	9	215	129	67	19	21	7	62	33	*	*
STATE GOVT	1,050	429	216	193	20	408	178	148	82	5	41	37	110	*	20
OTHER GOVT	489	126	33	93	*	180	75	70	35	*	50	35	93	*	5
OTHER	17	*	*	*	*	3	*	3	*	*	*	*	4	*	10
NOT EMPLOYED	5,167	*	*	*	*	*	*	*	*	*	*	*	*	5,167	*
NO REPORT	113	13	13	*	*	5	*	5	*	*	*	8	*	*	87
BIOLOGICAL SCIENTISTS															
TOTAL	43,754	17,352	14,074	3,022	256	4,824	2,663	1,368	793	15,225	379	352	885	3,721	1,016
BUSINESS/INDUSTRY	3,568	1,378	631	591	156	1,335	1,031	169	135	26	228	169	309	*	123
EDUCATIONAL INSTITUTIONS	29,632	11,420	10,110	1,274	36	1,970	673	855	442	15,154	69	103	194	*	722
4-YR. COLL./UNIV	28,727	11,417	10,110	1,274	33	1,886	667	782	437	14,350	69	103	194	*	708
2-YR. COLLEGES	748	3	*	*	3	67	6	56	5	669	*	*	*	*	9
ELEM/SEC. SCHOOLS	157	*	*	*	*	17	*	17	*	135	*	*	*	*	5
HOSPITALS/CLINICS	1,019	693	618	56	19	200	64	74	62	21	16	38	44	*	7
NONPROFIT ORGS	1,366	973	835	134	4	264	136	67	61	13	11	10	70	*	25
FEDERAL GOVT	3,535	2,385	1,564	809	12	827	667	104	56	6	42	18	161	*	96
MILITARY/COMM. CORPS	219	149	103	37	9	45	23	11	11	5	5	*	15	*	*
STATE GOVT	485	264	173	71	20	130	52	64	14	*	8	9	64	*	10
OTHER GOVT	151	77	27	50	*	45	17	16	12	*	*	5	24	*	*
OTHER	7	*	*	*	*	3	*	3	*	*	*	*	4	*	*
NOT EMPLOYED	3,721	*	*	*	*	*	*	*	*	*	*	*	*	3,721	*
NO REPORT	51	13	13	*	*	5	*	5	*	*	*	*	*	*	33
AGRICULTURAL SCIENTISTS															
TOTAL	14,277	5,865	1,323	4,312	230	3,008	1,907	606	495	2,676	390	449	794	621	474
BUSINESS/INDUSTRY	2,687	724	18	505	201	1,127	805	221	101	*	226	216	292	*	102
EDUCATIONAL INSTITUTIONS	8,263	3,688	922	2,753	13	1,109	526	265	318	2,666	72	197	333	*	198
4-YR. COLL./UNIV	8,174	3,688	922	2,753	13	1,068	521	256	291	2,618	72	197	333	*	198
2-YR. COLLEGES	81	*	*	*	*	41	5	9	27	40	*	*	*	*	*
ELEM/SEC. SCHOOLS	8	*	*	*	*	*	*	*	*	8	*	*	*	*	*
HOSPITALS/CLINICS	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NONPROFIT ORGS	147	31	13	18	*	68	30	33	5	*	12	10	8	*	18
FEDERAL GOVT	2,144	1,288	349	923	16	569	444	76	49	5	28	26	101	*	127
MILITARY/COMM. CORPS	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
STATE GOVT	244	91	15	76	*	108	75	11	22	5	25	*	15	*	*
OTHER GOVT	142	43	6	37	*	27	27	*	*	*	27	*	45	*	*
OTHER	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NOT EMPLOYED	621	*	*	*	*	*	*	*	*	*	*	*	*	621	*
NO REPORT	29	*	*	*	*	*	*	*	*	*	*	*	*	*	29
MEDICAL SCIENTISTS															
TOTAL	14,285	4,058	2,614	1,239	205	3,508	2,002	978	528	3,074	178	1,560	558	825	524
BUSINESS/INDUSTRY	2,874	811	206	445	160	1,192	962	132	98	*	73	537	140	*	121
EDUCATIONAL INSTITUTIONS	7,220	2,371	1,881	463	27	1,077	412	403	262	3,000	21	355	117	*	279
4-YR. COLL./UNIV	7,173	2,371	1,881	463	27	1,060	406	392	262	2,970	21	355	117	*	279
2-YR. COLLEGES	47	*	*	*	*	17	6	11	*	30	*	*	*	*	*
ELEM/SEC. SCHOOLS	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HOSPITALS/CLINICS	1,240	184	124	60	*	288	64	172	52	28	24	518	141	*	57
NONPROFIT ORGS	367	211	112	89	10	102	61	35	6	2	7	7	32	*	6
FEDERAL GOVT	817	287	183	96	8	401	315	53	33	28	20	15	55	*	11
MILITARY/COMM. CORPS	382	114	80	34	*	170	106	56	8	16	2	62	18	*	*
STATE GOVT	321	74	28	46	*	170	51	73	46	*	8	28	31	*	10
OTHER GOVT	196	6	*	6	*	103	31	54	23	*	23	30	24	*	5
OTHER	10	*	*	*	*	*	*	*	*	*	*	*	*	*	10
NOT EMPLOYED	825	*	*	*	*	*	*	*	*	*	*	*	*	825	*
NO REPORT	33	*	*	*	*	*	*	*	*	*	*	8	*	*	25
PSYCHOLOGISTS															
TOTAL	31,613	3,486	1,893	1,355	238	5,519	1,784	2,765	970	11,418	1,268	7,452	518	1,279	673
BUSINESS/INDUSTRY	4,187	414	74	246	94	564	244	234	86	70	729	2,032	209	*	169
EDUCATIONAL INSTITUTIONS	17,828	2,108	1,576	493	39	2,196	517	1,167	512	11,125	256	1,745	98	*	300
4-YR. COLL./UNIV	16,151	2,080	1,576	482	22	1,870	444	1,012	414	10,750	79	1,068	66	*	238
2-YR. COLLEGES	533	*	*	*	*	86	25	34	27	337	11	75	*	*	24
ELEM/SEC. SCHOOLS	1,144	28	*	11	17	240	48	121	71	38	166	602	32	*	36
HOSPITALS/CLINICS	4,733	216	84	132	*	1,201	274	749	178	156	121	2,834	65	*	140
NONPROFIT ORGS	1,081	248	54	143	51	475	238	179	58	38	84	162	56	*	18
FEDERAL GOVT	979	302	49	240	13	428	317	73	38	*	15	192	30	*	12
MILITARY/COMM. CORPS	259	56	41	15	*	90	69	21	*	17	*	96	*	*	*
STATE GOVT	730	133	14	84	35	316	65	218	33	12	40	184	37	*	8
OTHER GOVT	472	8	*	2	6	233	60	118	55	*	15	192	14	*	10
OTHER	31	*	*	*	*	16	*	6	10	*	6	8	1	*	*
NOT EMPLOYED	1,279	*	*	*	*	*	*	*	*	*	*	*	*	1,279	*
NO REPORT	34	1	1	*	*	*	*	*	*	*	2	7	8	*	16

* NO CASES REPORTED

TABLE B-9. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS BY FIELD, TYPE OF EMPLOYER, AND PRIMARY WORK ACTIVITY: 1975
CONTINUED

FIELD AND TYPE OF EMPLOYER	TOTAL	RESEARCH AND DEVELOPMENT				....MANAGEMENT OR ADMIN....				TEACHING	CONSULTING	SALES/ PROF. SERVICES	OTHER	NOT EMPLOYED	NO REPORT
		TOTAL	BASIC RESEARCH	APPL'D RESEARCH	DEVELOPMENT	TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH						
SOCIAL SCIENTISTS															
TOTAL....................	38,251	4,827	2,263	2,406	158	5,840	1,844	2,915	1,081	21,899	599	427	1,232	2,286	1,141
BUSINESS/INDUSTRY........	2,108	415	89	284	42	774	294	380	100	7	398	245	251	*	18
EDUCATIONAL INSTITUTIONS	28,858	2,875	1,779	1,071	25	3,098	703	1,767	628	21,747	41	38	247	*	812
4-YR. COLL./UNIV.......	28,131	2,863	1,779	1,059	25	2,993	692	1,693	608	21,180	28	38	237	*	792
2-YR. COLLEGES.........	548	12	*	12	*	65	11	34	20	468	*	*	*	*	3
ELEM/SEC. SCHOOLS......	179	*	*	*	*	40	*	40	*	99	13	*	10	*	17
HOSPITALS/CLINICS........	65	34	*	34	*	4	*	*	4	*	*	10	17	*	*
NONPROFIT ORGS...........	1,499	590	216	335	39	606	302	152	152	55	52	39	121	*	36
FEDERAL GOVT.............	2,098	654	141	491	22	829	357	346	126	69	33	66	322	*	125
MILITARY/COMM. CORPS.....	99	8	*	8	*	32	10	22	*	12	*	*	47	*	*
STATE GOVT...............	500	65	6	39	20	239	86	129	24	4	22	22	92	*	56
OTHER GOVT...............	640	179	32	137	10	253	87	119	47	*	53	7	113	*	35
OTHER....................	24	2	*	2	*	*	*	*	*	5	*	*	17	*	*
NOT EMPLOYED.............	2,286	*	*	*	*	*	*	*	*	*	*	*	*	2,286	*
NO REPORT................	74	5	*	5	*	5	5	*	*	*	*	*	5	*	59
ECONOMISTS															
TOTAL....................	11,049	1,740	530	1,194	16	2,059	762	908	389	5,347	283	144	452	752	272
BUSINESS/INDUSTRY........	1,266	238	15	223	*	540	229	224	87	2	219	106	161	*	*
EDUCATIONAL INSTITUTIONS	7,204	742	407	335	*	886	159	512	215	5,320	15	*	67	*	174
4-YR. COLL./UNIV.......	7,130	742	407	335	*	876	159	512	205	5,256	15	*	67	*	174
2-YR. COLLEGES.........	74	*	*	*	*	10	*	*	10	64	*	*	*	*	*
ELEM/SEC. SCHOOLS......	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HOSPITALS/CLINICS........	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NONPROFIT ORGS...........	370	181	47	134	*	152	125	*	27	*	3	3	11	*	20
FEDERAL GOVT.............	965	439	44	393	2	311	178	102	31	25	8	35	119	*	28
MILITARY/COMM. CORPS.....	24	*	*	*	*	11	*	11	*	*	*	*	13	*	*
STATE GOVT...............	116	22	2	6	14	69	48	9	12	*	*	*	10	*	15
OTHER GOVT...............	347	116	15	101	*	90	23	50	17	*	38	*	71	*	32
OTHER....................	2	2	*	2	*	*	*	*	*	*	*	*	*	*	*
NOT EMPLOYED.............	752	*	*	*	*	*	*	*	*	*	*	*	*	752	*
NO REPORT................	3	*	*	*	*	*	*	*	*	*	*	*	*	*	3
SOCIOLOGISTS/ANTHRO.															
TOTAL....................	8,775	1,201	721	480	*	829	280	457	92	5,735	33	57	74	589	257
BUSINESS/INDUSTRY........	97	3	*	3	*	29	10	19	*	5	23	15	9	*	13
EDUCATIONAL INSTITUTIONS	7,586	971	612	359	*	592	141	378	73	5,715	*	14	50	*	244
4-YR. COLL./UNIV.......	7,398	971	612	359	*	573	132	368	73	5,546	*	14	50	*	244
2-YR. COLLEGES.........	172	*	*	*	*	19	9	10	*	153	*	*	*	*	*
ELEM/SEC. SCHOOLS......	16	*	*	*	*	*	*	*	*	16	*	*	*	*	*
HOSPITALS/CLINICS........	15	10	*	10	*	*	*	*	*	*	*	5	*	*	*
NONPROFIT ORGS...........	274	115	78	37	*	126	91	25	10	10	10	43	*	*	*
FEDERAL GOVT.............	157	80	31	49	*	61	26	26	9	5	*	*	11	*	*
MILITARY/COMM. CORPS.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
STATE GOVT...............	40	17	*	17	*	9	*	9	*	*	*	10	4	*	*
OTHER GOVT...............	12	*	*	*	*	12	12	*	*	*	*	*	*	*	*
OTHER....................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NOT EMPLOYED.............	589	*	*	*	*	*	*	*	*	*	*	*	*	589	*
NO REPORT................	5	5	*	5	*	*	*	*	*	*	*	*	*	*	*
OTHER SOCIAL SCIENTISTS															
TOTAL....................	18,427	1,886	1,012	732	142	2,952	802	1,550	600	10,817	283	226	706	945	612
BUSINESS/INDUSTRY........	745	174	74	58	42	205	55	137	13	*	156	124	81	*	5
EDUCATIONAL INSTITUTIONS	14,068	1,162	760	377	25	1,620	403	877	340	10,712	26	24	130	*	394
4-YR. COLL./UNIV.......	13,603	1,150	760	365	25	1,544	401	813	330	10,378	13	24	120	*	374
2-YR. COLLEGES.........	302	12	*	12	*	36	2	24	10	251	*	*	*	*	3
ELEM/SEC. SCHOOLS......	163	*	*	*	*	40	*	40	*	83	13	*	10	*	17
HOSPITALS/CLINICS........	50	24	*	24	*	4	*	*	4	*	*	5	17	*	*
NONPROFIT ORGS...........	855	294	91	164	39	328	86	127	115	45	39	23	110	*	16
FEDERAL GOVT.............	976	135	66	49	20	457	153	218	86	39	25	31	192	*	97
MILITARY/COMM. CORPS.....	75	8	*	8	*	21	10	11	*	12	*	*	34	*	*
STATE GOVT...............	344	26	4	16	6	161	38	111	12	4	22	12	78	*	41
OTHER GOVT...............	281	63	17	36	10	151	52	69	30	*	15	7	42	*	3
OTHER....................	22	*	*	*	*	*	*	*	*	5	*	*	17	*	*
NOT EMPLOYED.............	945	*	*	*	*	*	*	*	*	*	*	*	*	945	*
NO REPORT................	66	*	*	*	*	5	5	*	*	*	*	*	5	*	56
NO REPORT															
TOTAL....................	658	4	2	*	2	18	3	15	*	39	*	5	5	564	23
BUSINESS/INDUSTRY........	14	*	*	*	*	*	*	*	*	*	*	5	*	*	9
EDUCATIONAL INSTITUTIONS	60	4	2	*	2	16	3	13	*	39	*	*	*	*	1
4-YR. COLL./UNIV.......	48	4	2	*	2	9	3	6	*	34	*	*	*	*	1
2-YR. COLLEGES.........	6	*	*	*	*	1	*	1	*	5	*	*	*	*	*
ELEM/SEC. SCHOOLS......	6	*	*	*	*	6	*	6	*	*	*	*	*	*	*
HOSPITALS/CLINICS........	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NONPROFIT ORGS...........	2	*	*	*	*	2	*	2	*	*	*	*	*	*	*
FEDERAL GOVT.............	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MILITARY/COMM. CORPS.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
STATE GOVT...............	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OTHER GOVT...............	1	*	*	*	*	*	*	*	*	*	*	*	*	*	1
OTHER....................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NOT EMPLOYED.............	564	*	*	*	*	*	*	*	*	*	*	*	*	564	*
NO REPORT................	17	*	*	*	*	*	*	*	*	*	*	*	5	*	12

* NO CASES REPORTED

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-10. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS BY FIELD, YEARS OF PROFESSIONAL EXPERIENCE, AND TYPE OF EMPLOYER: 1975

FIELD AND YEARS OF PROFESSIONAL EXPERIENCE	TOTAL	BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS				HOSPITAL/ CLINIC	NONPROFIT ORGS.	FEDERAL GOV'T	MILITARY/ COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
			TOTAL	4-YEAR COLL/ UNIV.	2-YEAR COLL.	ELEM/ SEC. SCHOOL									
ALL FIELDS															
TOTAL	277,517	65,876	153,249	147,633	3,674	1,942	7,586	8,510	19,452	2,182	3,110	2,011	86	15,106	349
1 OR LESS YEARS	3,307	701	1,559	1,468	36	55	236	87	152	41	15	51	*	460	5
2-4 YEARS	30,471	6,930	17,125	16,572	362	191	1,270	1,007	1,750	543	442	154	5	1,226	19
5-9 YEARS	62,565	15,157	36,365	35,042	981	342	2,030	2,028	4,032	337	651	578	29	1,287	71
10-14 YEARS	48,658	11,816	28,624	27,605	631	388	1,053	1,522	3,634	401	545	306	11	728	18
15-19 YEARS	36,670	8,833	21,294	20,450	582	262	924	1,056	2,939	365	475	267	6	501	10
20-24 YEARS	32,652	8,366	18,265	17,511	444	310	837	915	2,692	262	413	225	26	651	*
25-29 YEARS	22,713	5,503	13,016	12,534	322	160	530	737	1,886	126	229	153	5	505	23
30-34 YEARS	13,486	3,392	7,127	6,890	135	102	225	374	1,001	32	96	145	*	1,070	24
35-39 YEARS	9,799	2,389	4,510	4,387	85	38	112	346	644	17	84	71	*	1,626	*
40 OR MORE YEARS	7,882	1,263	3,008	2,894	63	51	79	215	377	7	81	35	*	2,765	52
NO REPORT	9,314	1,526	2,356	2,280	33	43	290	223	345	51	79	26	4	4,287	127
PHYSICAL SCIENTISTS															
TOTAL	59,267	22,385	26,141	24,642	1,135	364	492	1,979	3,787	312	215	81	11	3,794	70
1 OR LESS YEARS	765	296	245	230	13	2	15	8	19	18	12	2	*	148	2
2-4 YEARS	6,168	1,906	3,065	2,848	158	59	108	233	380	144	44	*	*	284	4
5-9 YEARS	13,226	5,013	6,412	5,910	378	124	136	462	840	30	74	31	*	228	*
10-14 YEARS	9,938	3,596	4,934	4,670	180	84	73	408	639	47	31	19	11	180	*
15-19 YEARS	8,007	3,212	3,824	3,644	169	11	34	208	557	16	22	*	*	131	3
20-24 YEARS	6,721	2,994	2,778	2,667	87	24	37	192	518	13	11	11	*	167	*
25-29 YEARS	4,313	1,982	1,686	1,591	90	5	37	146	290	27	6	*	*	139	*
30-34 YEARS	3,437	1,483	1,320	1,301	18	1	9	78	265	*	1	5	*	269	7
35-39 YEARS	2,640	971	820	790	27	3	17	101	132	6	*	5	*	588	*
40 OR MORE YEARS	1,855	386	602	559	9	34	*	68	65	*	8	8	*	698	20
NO REPORT	2,197	546	455	432	6	17	26	75	82	11	6	*	*	962	34
CHEMISTS															
TOTAL	38,784	18,278	14,402	13,320	795	287	387	1,071	1,697	99	195	55	*	2,560	40
1 OR LESS YEARS	565	228	187	174	13	*	15	*	19	7	12	2	*	95	*
2-4 YEARS	3,665	1,433	1,662	1,485	127	50	76	112	104	32	43	*	*	199	4
5-9 YEARS	8,185	3,970	3,428	3,126	217	85	130	161	317	*	65	31	*	113	*
10-14 YEARS	6,105	2,920	2,519	2,326	125	68	62	212	241	16	31	14	*	90	*
15-19 YEARS	5,209	2,625	2,071	1,934	126	11	34	132	221	16	12	*	*	95	3
20-24 YEARS	4,514	2,476	1,449	1,345	80	24	25	129	333	*	11	8	*	83	*
25-29 YEARS	3,179	1,739	957	879	73	5	37	125	186	11	6	*	*	118	*
30-34 YEARS	2,501	1,249	880	862	18	*	2	58	140	*	1	*	*	171	*
35-39 YEARS	2,009	865	525	517	5	3	17	78	55	6	*	*	*	463	*
40 OR MORE YEARS	1,238	316	379	350	5	24	*	39	48	*	8	*	*	436	12
NO REPORT	1,614	457	345	322	6	17	19	25	33	11	6	*	*	697	21
PHYSICISTS/ASTRONOMERS															
TOTAL	20,483	4,107	11,739	11,322	340	77	105	908	2,090	213	20	26	11	1,234	30
1 OR LESS YEARS	200	68	58	56	*	2	*	8	*	11	*	*	*	53	2
2-4 YEARS	2,503	473	1,403	1,363	31	9	32	121	276	112	1	*	*	85	*
5-9 YEARS	5,041	1,043	2,984	2,784	161	39	36	301	523	30	9	*	*	115	*
10-14 YEARS	3,833	676	2,415	2,344	55	16	11	196	398	31	*	5	11	90	*
15-19 YEARS	2,798	587	1,753	1,710	43	*	*	76	336	*	10	*	*	36	*
20-24 YEARS	2,207	518	1,329	1,322	7	*	12	63	185	13	*	3	*	84	*
25-29 YEARS	1,134	243	729	712	17	*	*	21	104	16	*	*	*	21	*
30-34 YEARS	936	234	440	439	*	1	7	20	125	*	*	5	*	98	7
35-39 YEARS	631	106	295	273	22	*	*	23	77	*	*	5	*	125	*
40 OR MORE YEARS	617	70	223	209	4	10	*	29	17	*	*	8	*	262	8
NO REPORT	583	89	110	110	*	*	7	50	49	*	*	*	*	265	13
MATHEMATICAL SCIENTISTS															
TOTAL	14,542	1,066	12,006	11,682	266	58	2	214	572	47	28	7	*	600	*
1 OR LESS YEARS	161	8	145	132	10	3	*	3	1	*	*	*	*	4	*
2-4 YEARS	1,457	115	1,193	1,167	24	2	*	40	80	*	*	*	*	29	*
5-9 YEARS	3,863	247	3,266	3,204	56	6	*	64	185	15	12	*	*	74	*
10-14 YEARS	2,882	239	2,502	2,432	54	16	*	15	76	20	5	*	*	25	*
15-19 YEARS	1,830	123	1,614	1,565	37	12	*	24	29	12	6	*	*	22	*
20-24 YEARS	1,582	114	1,345	1,308	23	14	*	15	78	*	*	*	*	30	*
25-29 YEARS	983	100	787	756	28	3	2	28	48	*	*	7	*	11	*
30-34 YEARS	575	57	439	424	15	*	*	9	38	*	3	*	*	29	*
35-39 YEARS	438	30	316	309	7	*	*	*	15	*	*	*	*	77	*
40 OR MORE YEARS	391	19	231	224	5	2	*	2	20	*	*	*	*	119	*
NO REPORT	380	14	168	161	7	*	*	14	2	*	2	*	*	180	*
MATHEMATICIANS															
TOTAL	12,729	847	10,655	10,335	262	58	*	190	381	47	23	7	*	579	*
1 OR LESS YEARS	140	8	126	113	10	3	*	3	1	*	*	*	*	2	*
2-4 YEARS	1,169	77	991	965	24	2	*	29	44	*	*	*	*	26	*
5-9 YEARS	3,445	188	2,957	2,895	56	6	*	62	141	15	12	*	*	70	*
10-14 YEARS	2,582	223	2,244	2,174	54	16	*	12	58	20	*	*	*	25	*
15-19 YEARS	1,630	73	1,478	1,431	35	12	*	16	23	12	6	*	*	22	*
20-24 YEARS	1,373	90	1,190	1,153	23	14	*	15	48	*	*	*	*	30	*
25-29 YEARS	855	91	678	649	26	3	*	28	40	*	*	7	*	11	*
30-34 YEARS	467	55	372	357	15	*	*	9	9	*	3	*	*	19	*
35-39 YEARS	380	21	280	273	7	*	*	*	2	*	*	*	*	77	*
40 OR MORE YEARS	344	13	201	194	5	2	*	2	11	*	*	*	*	117	*
NO REPORT	344	8	138	131	7	*	*	14	2	*	2	*	*	180	*
STATISTICIANS															
TOTAL	1,813	219	1,351	1,347	4	*	2	24	191	*	5	*	*	21	*
1 OR LESS YEARS	21	*	19	19	*	*	*	*	*	*	*	*	*	2	*
2-4 YEARS	288	38	202	202	*	*	*	11	34	*	*	*	*	3	*
5-9 YEARS	418	59	309	309	*	*	*	2	44	*	*	*	*	4	*
10-14 YEARS	300	16	258	258	*	*	*	3	18	*	5	*	*	*	*
15-19 YEARS	200	50	136	134	2	*	*	8	6	*	*	*	*	*	*
20-24 YEARS	209	24	155	155	*	*	*	*	30	*	*	*	*	*	*
25-29 YEARS	128	9	109	107	2	*	2	*	8	*	*	*	*	*	*
30-34 YEARS	108	2	67	67	*	*	*	*	29	*	*	*	*	10	*
35-39 YEARS	58	9	36	36	*	*	*	*	13	*	*	*	*	*	*
40 OR MORE YEARS	47	6	30	30	*	*	*	*	9	*	*	*	*	2	*
NO REPORT	36	6	30	30	*	*	*	*	*	*	*	*	*	*	*

* NO CASES REPORTED

TABLE B-10. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS BY FIELD, YEARS OF PROFESSIONAL EXPERIENCE, AND TYPE OF EMPLOYER: 1975
CONTINUED

FIELD AND YEARS OF PROFESSIONAL EXPERIENCE	TOTAL	BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS				HOSPITAL/ CLINIC	NON-PROFIT ORGS.	FEDERAL GOV'T	MILITARY/ COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
			TOTAL	4-YEAR COLL/ UNIV.	2-YEAR COLL.	ELEM/ SEC. SCHOOL									
COMPUTER SPECIALISTS															
TOTAL	3,662	1,474	1,765	1,761	4	*	10	88	211	72	3	31	3	5	*
1 OR LESS YEARS	75	57	16	16	*	*	2	*	*	*	*	*	*	*	*
2-4 YEARS	429	166	187	187	*	*	*	5	33	26	2	10	*	*	*
5-9 YEARS	1,036	467	431	431	*	*	8	35	81	12	1	*	*	1	*
10-14 YEARS	747	291	397	397	*	*	*	11	16	23	*	9	*	*	*
15-19 YEARS	451	170	249	249	*	*	*	*	17	*	*	12	3	*	*
20-24 YEARS	475	151	254	254	*	*	*	37	33	*	*	*	*	*	*
25-29 YEARS	194	39	132	132	*	*	*	*	20	*	*	*	*	3	*
30-34 YEARS	78	17	59	57	2	*	*	*	2	*	*	*	*	*	*
35-39 YEARS	65	49	16	16	*	*	*	*	*	*	*	*	*	*	*
40 OR MORE YEARS	24	10	5	3	2	*	*	*	7	2	*	*	*	*	*
NO REPORT	88	57	19	19	*	*	*	*	2	9	*	*	*	1	*
ENVIRONMENTAL SCIENTISTS															
TOTAL	12,783	2,978	6,170	6,015	129	26	1	534	2,230	92	357	79	*	342	*
1 OR LESS YEARS	138	40	71	71	*	*	*	17	5	*	*	*	*	5	*
2-4 YEARS	1,343	342	716	710	6	*	*	57	177	20	11	7	*	13	*
5-9 YEARS	2,719	619	1,391	1,346	45	*	*	137	426	*	77	38	*	31	*
10-14 YEARS	2,466	424	1,316	1,281	27	8	1	84	457	24	112	14	*	34	*
15-19 YEARS	1,732	407	854	815	34	5	*	75	274	31	68	9	*	14	*
20-24 YEARS	1,533	431	683	664	7	12	*	33	303	8	58	*	*	17	*
25-29 YEARS	1,069	277	489	480	9	*	*	26	248	2	24	*	*	3	*
30-34 YEARS	661	154	290	289	1	*	*	26	148	7	*	3	*	33	*
35-39 YEARS	540	120	173	173	*	*	*	45	133	*	2	8	*	59	*
40 OR MORE YEARS	361	111	109	108	*	1	*	27	55	*	5	*	*	54	*
NO REPORT	221	53	78	78	*	*	*	7	4	*	*	*	*	79	*
EARTH SCIENTISTS															
TOTAL	10,076	2,730	4,754	4,628	100	26	1	295	1,577	48	310	66	*	295	*
1 OR LESS YEARS	96	26	48	48	*	*	*	17	5	*	*	*	*	*	*
2-4 YEARS	964	315	486	480	6	*	*	16	115	11	11	7	*	3	*
5-9 YEARS	1,992	545	997	967	30	*	*	63	258	*	77	31	*	21	*
10-14 YEARS	1,859	355	1,012	991	13	8	1	40	340	*	75	11	*	25	*
15-19 YEARS	1,464	382	722	683	34	5	*	55	192	22	68	9	*	14	*
20-24 YEARS	1,288	431	562	543	7	12	*	25	196	8	49	*	*	17	*
25-29 YEARS	880	241	414	405	9	*	*	16	183	*	23	*	*	3	*
30-34 YEARS	537	154	216	215	1	*	*	5	132	7	*	3	*	20	*
35-39 YEARS	484	120	144	144	*	*	*	45	109	*	2	5	*	59	*
40 OR MORE YEARS	323	108	103	102	*	1	*	6	47	*	5	*	*	54	*
NO REPORT	189	53	50	50	*	*	*	7	*	*	*	*	*	79	*
OCEANOGRAPHERS															
TOTAL	1,353	76	840	818	22	*	*	107	239	12	33	13	*	33	*
1 OR LESS YEARS	5	*	*	*	*	*	*	*	*	*	*	*	*	5	*
2-4 YEARS	203	11	162	162	*	*	*	28	*	*	*	*	*	2	*
5-9 YEARS	395	21	254	246	8	*	*	23	80	*	*	7	*	10	*
10-14 YEARS	313	10	182	168	14	*	*	21	54	10	24	3	*	9	*
15-19 YEARS	126	9	67	67	*	*	*	12	38	*	*	*	*	*	*
20-24 YEARS	112	*	64	64	*	*	*	2	37	*	9	*	*	*	*
25-29 YEARS	89	25	48	48	*	*	*	*	14	2	*	*	*	*	*
30-34 YEARS	46	*	32	32	*	*	*	*	7	*	*	*	*	7	*
35-39 YEARS	18	*	15	15	*	*	*	*	*	*	*	3	*	*	*
40 OR MORE YEARS	32	*	6	6	*	*	*	21	5	*	*	*	*	*	*
NO REPORT	14	*	10	10	*	*	*	*	4	*	*	*	*	*	*
ATMOSPHERIC SCIENTISTS															
TOTAL	1,354	172	576	569	7	*	*	132	414	32	14	*	*	14	*
1 OR LESS YEARS	37	14	23	23	*	*	*	*	*	*	*	*	*	*	*
2-4 YEARS	176	16	68	68	*	*	*	13	62	9	*	*	*	8	*
5-9 YEARS	332	53	140	133	7	*	*	51	88	*	*	*	*	*	*
10-14 YEARS	294	59	122	122	*	*	*	23	63	14	13	*	*	*	*
15-19 YEARS	142	16	65	65	*	*	*	8	44	9	*	*	*	*	*
20-24 YEARS	133	*	57	57	*	*	*	6	70	*	*	*	*	*	*
25-29 YEARS	100	11	27	27	*	*	*	10	51	*	1	*	*	*	*
30-34 YEARS	78	*	42	42	*	*	*	21	9	*	*	*	*	6	*
35-39 YEARS	38	*	14	14	*	*	*	*	24	*	*	*	*	*	*
40 OR MORE YEARS	6	3	*	*	*	*	*	*	3	*	*	*	*	*	*
NO REPORT	18	*	18	18	*	*	*	*	*	*	*	*	*	*	*
ENGINEERS															
TOTAL	44,425	22,535	15,306	15,129	177	*	24	1,233	3,079	700	227	211	*	1,069	41
1 OR LESS YEARS	322	207	32	32	*	*	*	12	69	2	*	*	*	*	*
2-4 YEARS	4,316	2,609	1,017	1,017	*	*	11	105	293	161	43	*	*	77	*
5-9 YEARS	9,580	5,551	2,789	2,746	43	*	*	316	630	78	53	26	*	126	11
10-14 YEARS	9,109	4,632	3,334	3,305	29	*	*	233	655	146	7	66	*	36	*
15-19 YEARS	6,478	3,185	2,363	2,322	41	*	12	170	479	182	34	26	*	27	*
20-24 YEARS	5,278	2,405	2,108	2,073	35	*	*	135	358	106	52	62	*	52	*
25-29 YEARS	3,929	1,639	1,695	1,683	12	*	*	156	321	22	7	8	*	81	*
30-34 YEARS	2,296	1,021	973	962	11	*	*	60	99	3	14	12	*	114	*
35-39 YEARS	1,372	609	552	551	1	*	*	31	75	*	14	11	*	80	*
40 OR MORE YEARS	798	315	239	234	5	*	1	3	40	*	*	*	*	200	*
NO REPORT	947	362	204	204	*	*	*	12	60	*	3	*	*	276	30
LIFE SCIENTISTS															
TOTAL	72,316	9,129	45,115	44,074	876	165	2,259	1,880	6,496	601	1,050	489	17	5,167	113
1 OR LESS YEARS	1,261	76	766	761	*	5	114	31	39	21	*	8	*	203	3
2-4 YEARS	9,611	1,176	6,262	6,133	111	18	462	335	495	108	151	25	5	577	15
5-9 YEARS	15,499	1,899	10,563	10,247	268	48	465	401	1,236	92	197	115	*	483	48
10-14 YEARS	11,188	1,603	7,228	7,065	136	27	308	296	1,162	96	172	88	*	235	*
15-19 YEARS	9,063	1,046	5,909	5,758	138	13	248	175	1,224	107	164	60	3	127	*
20-24 YEARS	8,430	1,242	5,412	5,286	102	24	220	221	948	73	113	51	*	150	*
25-29 YEARS	5,993	746	3,876	3,834	38	4	145	165	653	55	136	49	5	152	11
30-34 YEARS	3,392	391	2,061	2,026	30	5	79	87	275	22	29	65	*	377	6
35-39 YEARS	2,473	339	1,370	1,330	25	15	59	46	208	11	33	11	*	396	*
40 OR MORE YEARS	2,296	249	878	858	14	6	48	56	126	5	34	17	*	875	8
NO REPORT	3,113	362	790	776	14	*	111	67	130	11	21	*	4	1,592	22

NO CASES REPORTED

TABLE B-10. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS BY FIELD, YEARS OF PROFESSIONAL EXPERIENCE, AND TYPE OF EMPLOYER: 1975
CONTINUED

FIELD AND YEARS OF PROFESSIONAL EXPERIENCE	TOTAL	BUSINESS/INDUSTRY	EDUCATIONAL INSTITUTIONS				HOSPITAL/CLINIC	NON-PROFIT ORGS.	FEDERAL GOV'T	MILITARY/COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
			TOTAL	4-YEAR COLL/UNIV.	2-YEAR COLL.	ELEM/SEC. SCHOOL									
BIOLOGICAL SCIENTISTS															
TOTAL......................	43,754	3,568	29,632	28,727	748	157	1,019	1,366	3,535	219	485	151	7	3,721	51
1 OR LESS YEARS........	844	45	557	552	*	5	30	18	28	5	*	8	*	153	*
2-4 YEARS..............	6,306	438	4,604	4,475	111	18	194	265	333	42	57	16	*	352	5
5-9 YEARS..............	10,132	775	7,555	7,271	236	48	255	305	728	42	72	59	*	320	21
10-14 YEARS............	6,632	592	4,727	4,588	118	21	184	247	576	27	111	19	*	149	*
15-19 YEARS............	5,129	392	3,713	3,578	122	13	83	120	623	36	37	8	3	114	*
20-24 YEARS............	4,669	481	3,245	3,157	65	22	108	157	455	24	70	16	*	113	*
25-29 YEARS............	3,163	291	2,098	2,061	33	4	52	102	379	28	67	2	*	133	11
30-34 YEARS............	1,856	169	1,140	1,116	19	5	42	59	150	*	21	18	*	257	*
35-39 YEARS............	1,530	144	922	887	20	15	26	30	104	5	21	5	*	273	*
40 OR MORE YEARS.......	1,421	77	559	544	9	6	6	32	54	5	13	*	*	667	8
NO REPORT..............	2,072	164	512	498	14	*	39	31	105	5	16	*	4	1,190	6
AGRICULTURAL SCIENTISTS															
TOTAL......................	14,277	2,687	8,263	8,174	81	8	*	147	2,144	*	244	142	*	621	29
1 OR LESS YEARS........	73	2	66	66	*	*	*	*	*	*	*	*	*	2	3
2-4 YEARS..............	1,466	493	747	747	*	*	*	27	110	*	49	9	*	21	10
5-9 YEARS..............	2,499	540	1,477	1,450	27	*	*	13	350	*	58	17	*	34	10
10-14 YEARS............	2,453	529	1,374	1,363	5	6	*	9	452	*	21	44	*	24	*
15-19 YEARS............	2,133	288	1,248	1,239	9	*	*	20	493	*	58	21	*	5	*
20-24 YEARS............	1,939	278	1,193	1,161	30	2	*	36	368	*	27	11	*	26	*
25-29 YEARS............	1,629	199	1,167	1,167	*	*	*	5	187	*	31	29	*	11	*
30-34 YEARS............	705	78	467	462	5	*	*	16	71	*	*	5	*	62	6
35-39 YEARS............	538	108	273	273	*	*	*	5	58	*	*	*	*	94	*
40 OR MORE YEARS.......	422	78	144	139	5	*	*	6	43	*	*	6	*	145	*
NO REPORT..............	420	94	107	107	*	*	*	10	12	*	*	*	*	197	*
MEDICAL SCIENTISTS															
TOTAL......................	14,285	2,874	7,220	7,173	47	*	1,240	367	817	382	321	196	10	825	33
1 OR LESS YEARS........	344	29	143	143	*	*	84	13	11	16	*	*	*	48	*
2-4 YEARS..............	1,839	245	911	911	*	*	268	43	52	66	45	*	5	204	*
5-9 YEARS..............	2,868	584	1,531	1,526	5	*	210	83	158	50	67	39	*	129	17
10-14 YEARS............	2,103	482	1,127	1,114	13	*	124	40	134	69	40	25	*	62	*
15-19 YEARS............	1,801	366	948	941	7	*	165	35	108	71	69	31	*	8	*
20-24 YEARS............	1,822	483	974	968	6	*	112	28	125	49	16	24	*	11	*
25-29 YEARS............	1,201	256	611	606	5	*	93	58	87	27	38	18	5	8	*
30-34 YEARS............	831	144	454	448	6	*	37	12	54	22	8	42	*	58	*
35-39 YEARS............	405	87	175	170	5	*	33	11	46	6	12	6	*	29	*
40 OR MORE YEARS.......	453	94	175	175	*	*	42	18	29	*	21	11	*	63	*
NO REPORT..............	618	104	171	171	*	*	72	26	13	6	5	*	*	205	16
PSYCHOLOGISTS															
TOTAL......................	31,613	4,187	17,828	16,151	533	1,144	4,733	1,081	979	259	730	472	31	1,279	34
1 OR LESS YEARS........	369	17	168	127	13	28	105	*	6	*	*	17	*	56	*
2-4 YEARS..............	3,745	389	2,151	2,005	40	106	662	102	130	84	82	54	*	91	*
5-9 YEARS..............	7,652	820	4,474	4,241	83	150	1,421	250	166	98	140	135	10	137	1
10-14 YEARS............	5,128	611	3,144	2,785	128	231	642	237	154	34	154	71	*	68	13
15-19 YEARS............	4,299	551	2,483	2,224	80	179	630	170	146	*	135	99	*	84	1
20-24 YEARS............	4,052	764	2,130	1,864	71	195	580	127	160	23	118	37	21	92	*
25-29 YEARS............	2,804	546	1,586	1,380	70	136	346	88	109	20	19	35	*	48	7
30-34 YEARS............	1,304	182	751	650	29	72	137	35	50	*	44	21	*	84	*
35-39 YEARS............	795	135	456	425	11	20	36	40	31	*	6	*	*	91	*
40 OR MORE YEARS.......	628	93	296	281	7	8	25	23	8	*	15	*	*	158	10
NO REPORT..............	837	79	189	169	1	19	149	9	19	*	17	3	*	370	2
SOCIAL SCIENTISTS															
TOTAL......................	38,251	2,108	28,858	28,131	548	179	65	1,499	2,098	99	500	640	24	2,286	74
1 OR LESS YEARS........	216	*	116	99	*	17	*	16	13	*	3	24	*	44	*
2-4 YEARS..............	3,390	227	2,534	2,505	23	6	27	130	162	*	109	58	*	143	*
5-9 YEARS..............	8,986	541	7,037	6,915	108	14	*	363	468	12	97	233	19	205	11
10-14 YEARS............	7,178	420	5,756	5,657	77	22	29	238	475	11	64	39	*	141	5
15-19 YEARS............	4,796	138	3,997	3,872	83	42	*	234	213	17	46	61	*	84	6
20-24 YEARS............	4,533	263	3,534	3,378	115	41	*	153	294	39	61	64	5	120	*
25-29 YEARS............	3,397	167	2,759	2,672	75	12	*	128	197	*	37	54	*	50	5
30-34 YEARS............	1,687	85	1,229	1,176	29	24	*	79	124	*	5	39	*	115	11
35-39 YEARS............	1,386	136	807	793	14	*	*	83	50	*	29	36	*	245	*
40 OR MORE YEARS.......	1,367	80	645	624	21	*	5	36	56	*	19	9	*	508	9
NO REPORT..............	1,315	51	444	440	3	1	4	39	46	20	30	23	*	631	27
ECONOMISTS															
TOTAL......................	11,049	1,266	7,204	7,130	74	*	*	370	965	24	116	347	2	752	3
1 OR LESS YEARS........	19	*	5	5	*	*	*	7	*	*	*	7	*	*	*
2-4 YEARS..............	817	76	519	517	2	*	*	23	105	*	23	35	*	36	*
5-9 YEARS..............	2,564	351	1,686	1,686	*	*	*	120	211	*	26	150	2	18	*
10-14 YEARS............	2,043	230	1,401	1,396	5	*	*	35	313	*	24	16	*	24	*
15-19 YEARS............	1,251	107	907	882	25	*	*	51	107	11	9	44	*	15	*
20-24 YEARS............	1,243	195	876	864	12	*	*	21	88	13	19	23	*	8	*
25-29 YEARS............	1,139	120	887	878	9	*	*	40	55	*	*	23	*	14	*
30-34 YEARS............	473	63	339	339	*	*	*	28	25	*	*	12	*	6	*
35-39 YEARS............	557	63	318	308	10	*	*	31	3	*	10	26	*	106	*
40 OR MORE YEARS.......	488	51	174	163	11	*	*	9	29	*	*	*	*	225	*
NO REPORT..............	455	10	92	92	*	*	*	5	29	*	5	11	*	300	3
SOCIOLOGISTS/ANTHRO.															
TOTAL......................	8,775	97	7,586	7,398	172	16	15	274	157	*	40	12	*	589	5
1 OR LESS YEARS........	44	*	24	24	*	*	*	*	*	*	*	*	*	20	*
2-4 YEARS..............	879	17	725	720	5	*	10	62	21	*	*	*	*	44	*
5-9 YEARS..............	2,172	16	1,982	1,943	39	*	*	67	27	*	5	*	*	75	*
10-14 YEARS............	1,625	*	1,491	1,458	33	*	*	41	37	*	8	*	*	48	*
15-19 YEARS............	1,043	9	958	934	13	11	*	27	16	*	9	*	*	24	*
20-24 YEARS............	1,132	10	1,024	990	29	5	*	49	20	*	*	*	*	29	*
25-29 YEARS............	709	18	613	591	22	*	*	23	19	*	*	12	*	24	*
30-34 YEARS............	403	*	365	348	17	*	*	*	17	*	*	*	*	21	*
35-39 YEARS............	212	17	141	137	4	*	*	*	*	*	10	*	*	44	*
40 OR MORE YEARS.......	262	*	130	120	10	*	5	5	*	*	4	*	*	113	5
NO REPORT..............	294	10	133	133	*	*	*	*	*	*	4	*	*	147	*

* NO CASES REPORTED

TABLE B-10. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS BY FIELD, YEARS OF PROFESSIONAL EXPERIENCE, AND TYPE OF EMPLOYER: 1975
CONTINUED

FIELD AND YEARS OF PROFESSIONAL EXPERIENCE	TOTAL	BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS TOTAL	4-YEAR COLL/ UNIV.	2-YEAR COLL.	ELEM/ SEC. SCHOOL	HOSPITAL/ CLINIC	NON-PROFIT ORGS.	FEDERAL GOV'T	MILITARY/ COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
OTHER SOCIAL SCIENTISTS															
TOTAL	18,427	745	14,068	13,503	302	163	50	855	976	75	344	281	22	945	66
1 OR LESS YEARS	153	*	87	70	*	17	*	9	13	*	3	17	*	24	*
2-4 YEARS	1,694	134	1,290	1,268	16	6	17	45	36	*	86	23	*	63	*
5-9 YEARS	4,250	174	3,369	3,286	69	14	*	176	230	12	66	83	17	112	11
10-14 YEARS	3,510	190	2,864	2,803	39	22	29	162	125	11	32	23	*	69	5
15-19 YEARS	2,502	22	2,132	2,056	45	31	*	156	90	6	28	17	*	45	6
20-24 YEARS	2,158	58	1,634	1,524	74	36	*	83	186	26	42	41	5	83	*
25-29 YEARS	1,549	29	1,259	1,203	44	12	*	65	123	*	37	19	*	12	5
30-34 YEARS	811	22	525	489	12	24	*	51	82	*	5	27	*	88	11
35-39 YEARS	617	56	348	348	*	*	*	52	47	*	9	10	*	95	*
40 OR MORE YEARS	617	29	341	341	*	*	*	22	27	*	15	9	*	170	4
NO REPORT	566	31	219	215	3	1	4	34	17	20	21	12	*	184	24
NO REPORT															
TOTAL	658	14	60	48	6	6	*	2	*	*	*	1	*	564	17
1 OR LESS YEARS	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2-4 YEARS	12	*	*	*	*	*	*	*	*	*	*	*	*	12	*
5-9 YEARS	4	*	2	2	*	*	*	*	*	*	*	*	*	2	*
10-14 YEARS	22	*	13	13	*	*	*	*	*	*	*	*	*	9	*
15-19 YEARS	14	1	1	1	*	*	*	*	*	*	*	*	*	12	*
20-24 YEARS	48	2	21	17	4	*	*	2	*	*	*	*	*	23	*
25-29 YEARS	31	7	6	6	*	*	*	*	*	*	*	*	*	18	*
30-34 YEARS	56	2	5	5	*	*	*	*	*	*	*	*	*	49	*
35-39 YEARS	90	*	*	*	*	*	*	*	*	*	*	*	*	90	*
40 OR MORE YEARS	162	*	3	3	*	*	*	*	*	*	*	1	*	153	5
NO REPORT	219	2	9	1	2	6	*	*	*	*	*	*	*	196	12

* NO CASES REPORTED

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-11.. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS BY FIELD, YEARS OF PROFESSIONAL EXPERIENCE, AND PRIMARY WORK ACTIVITY: 1975

FIELD AND YEARS OF PROFESSIONAL EXPERIENCE	TOTAL	RESEARCH AND DEVELOPMENT				....MANAGEMENT OR ADMIN....				TEACH-ING	CON-SULT-ING	SALES/ PROF. SER-VICES	OTHER	NOT EM-PLOYED	NO REPORT
		TOTAL	BASIC RE-SEARCH	APPL'D RE-SEARCH	DEVEL-OPMENT	TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH						
ALL FIELDS															
TOTAL......................	277,517	84,510	39,121	33,779	11,610	52,838	29,286	16,023	7,529	93,665	5,655	11,824	7,691	15,106	6,228
1 OR LESS YEARS........	3,307	1,583	895	551	137	157	112	30	15	599	16	318	93	460	81
2-4 YEARS...............	30,471	14,999	8,216	4,939	1,844	1,921	1,125	557	239	8,442	416	1,668	1,318	1,226	481
5-9 YEARS...............	62,565	23,540	10,957	8,948	3,635	7,922	4,650	2,194	1,078	22,918	1,106	2,917	1,689	1,287	1,186
10-14 YEARS.............	48,658	15,367	6,406	6,575	2,386	9,149	5,149	2,810	1,190	18,853	902	1,769	1,041	728	849
15-19 YEARS.............	36,670	9,921	4,076	4,487	1,358	8,643	4,760	2,683	1,200	13,910	630	1,489	807	501	769
20-24 YEARS.............	32,652	7,727	3,330	3,648	749	9,229	5,012	2,938	1,279	11,170	712	1,432	954	651	777
25-29 YEARS.............	22,713	4,682	1,980	2,164	538	7,335	3,979	2,252	1,104	7,579	491	885	603	505	633
30-34 YEARS.............	13,486	2,595	1,172	1,051	372	3,825	2,030	1,147	648	4,388	318	478	368	1,070	444
35-39 YEARS.............	9,799	1,561	678	579	304	2,472	1,346	677	449	2,820	350	302	364	1,626	304
40 OR MORE YEARS........	7,882	781	470	249	62	1,156	525	423	208	1,828	598	190	272	2,765	292
NO REPORT...............	9,314	1,754	941	588	225	1,029	598	312	119	1,158	116	376	182	4,287	412
PHYSICAL SCIENTISTS															
TOTAL......................	59,267	23,158	11,144	9,856	2,158	12,334	8,595	2,491	1,248	15,764	396	963	1,802	3,794	1,056
1 OR LESS YEARS........	765	445	275	159	11	57	47	*	10	57	*	36	14	148	8
2-4 YEARS...............	6,168	4,015	2,373	1,378	264	348	209	85	54	1,071	4	141	223	284	82
5-9 YEARS...............	13,226	6,359	3,194	2,494	671	1,681	1,236	240	205	4,085	49	175	437	228	212
10-14 YEARS.............	9,938	3,909	1,931	1,635	343	1,949	1,345	413	191	3,375	25	156	224	180	120
15-19 YEARS.............	8,007	2,857	1,109	1,503	245	1,981	1,409	409	163	2,637	20	85	213	131	83
20-24 YEARS.............	6,721	2,289	872	1,256	161	2,123	1,530	422	171	1,611	49	149	181	167	152
25-29 YEARS.............	4,313	1,291	518	619	154	1,540	1,108	301	131	1,014	5	85	150	139	89
30-34 YEARS.............	3,437	803	326	388	89	1,158	787	223	148	862	57	61	134	269	93
35-39 YEARS.............	2,640	484	216	144	124	843	561	170	112	487	78	*	98	588	62
40 OR MORE YEARS........	1,855	191	102	63	26	328	138	129	61	361	97	32	77	698	71
NO REPORT...............	2,197	515	228	217	70	326	225	99	2	204	12	43	51	962	84
CHEMISTS															
TOTAL......................	38,784	14,003	6,158	6,359	1,486	9,504	6,749	1,868	887	9,478	287	797	1,498	2,560	657
1 OR LESS YEARS........	565	321	192	118	11	50	40	*	10	52	*	36	5	95	6
2-4 YEARS...............	3,665	2,151	1,137	829	185	218	147	30	41	780	2	105	161	199	49
5-9 YEARS...............	8,185	3,779	1,771	1,589	419	1,302	973	182	147	2,318	20	134	362	113	157
10-14 YEARS.............	6,105	2,313	986	1,098	229	1,422	992	300	130	1,909	14	118	181	90	58
15-19 YEARS.............	5,209	1,731	573	968	190	1,504	1,092	291	121	1,582	11	61	177	95	48
20-24 YEARS.............	4,514	1,444	530	782	132	1,653	1,228	334	91	894	37	140	160	83	103
25-29 YEARS.............	3,179	894	337	438	119	1,217	898	220	99	655	2	85	141	118	67
30-34 YEARS.............	2,501	549	227	256	66	923	613	198	112	601	45	51	109	171	52
35-39 YEARS.............	2,009	338	142	94	102	693	469	143	81	332	73	*	87	463	23
40 OR MORE YEARS........	1,238	129	86	29	14	251	98	98	55	204	73	32	75	436	38
NO REPORT...............	1,614	354	177	158	19	271	199	72	*	151	10	35	40	697	56
PHYSICISTS/ASTRONOMERS															
TOTAL......................	20,483	9,155	4,986	3,497	672	2,830	1,846	623	361	6,286	109	166	304	1,234	399
1 OR LESS YEARS........	200	124	83	41	*	7	7	*	*	5	*	*	9	53	2
2-4 YEARS...............	2,503	1,864	1,236	549	79	130	62	55	13	291	2	36	62	85	33
5-9 YEARS...............	5,041	2,580	1,423	905	252	379	263	58	58	1,767	29	41	75	115	55
10-14 YEARS.............	3,833	1,596	945	537	114	527	353	113	61	1,466	11	38	43	90	62
15-19 YEARS.............	2,798	1,126	536	535	55	477	317	118	42	1,055	9	24	36	36	35
20-24 YEARS.............	2,207	845	342	474	29	470	302	88	80	717	12	9	21	84	49
25-29 YEARS.............	1,134	397	181	181	35	323	210	81	32	359	3	*	9	21	22
30-34 YEARS.............	936	254	99	132	23	235	174	25	36	261	12	10	25	98	41
35-39 YEARS.............	631	146	74	50	22	150	92	27	31	155	5	*	11	125	39
40 OR MORE YEARS........	617	62	16	34	12	77	40	31	6	157	24	*	2	262	33
NO REPORT...............	583	161	51	59	51	55	26	27	2	53	2	8	11	265	28
MATHEMATICAL SCIENTISTS															
TOTAL......................	14,542	2,766	1,593	840	333	1,247	388	649	210	9,298	149	65	174	600	243
1 OR LESS YEARS........	161	34	27	7	*	*	*	*	*	115	*	*	1	4	7
2-4 YEARS...............	1,457	491	266	131	94	16	5	11	*	886	15	*	16	29	4
5-9 YEARS...............	3,863	936	544	287	105	181	74	85	22	2,510	32	28	47	74	55
10-14 YEARS.............	2,882	444	219	126	99	259	60	151	48	2,063	16	11	7	25	57
15-19 YEARS.............	1,830	291	210	64	17	202	56	71	75	1,238	13	6	18	22	40
20-24 YEARS.............	1,582	210	114	88	8	212	64	111	37	1,027	39	*	36	30	28
25-29 YEARS.............	983	135	81	44	10	219	92	115	12	576	7	6	*	11	29
30-34 YEARS.............	575	80	54	26	*	96	24	68	4	328	7	5	28	29	2
35-39 YEARS.............	438	59	21	38	*	26	9	15	2	255	7	9	*	77	5
40 OR MORE YEARS........	391	41	25	16	*	36	4	22	10	170	13	*	4	119	8
NO REPORT...............	380	45	32	13	*	*	*	*	*	130	*	*	17	180	8
MATHEMATICIANS															
TOTAL......................	12,729	2,383	1,468	633	282	1,015	280	559	176	8,290	54	60	151	579	197
1 OR LESS YEARS........	140	27	27	*	*	*	*	*	*	103	*	*	1	2	7
2-4 YEARS...............	1,169	398	251	70	77	15	4	11	*	708	2	*	16	26	4
5-9 YEARS...............	3,445	812	492	227	93	145	52	73	20	2,319	3	28	36	70	32
10-14 YEARS.............	2,582	402	194	121	87	224	35	151	38	1,848	8	11	7	25	57
15-19 YEARS.............	1,630	279	208	64	7	142	22	45	75	1,137	*	6	18	22	26
20-24 YEARS.............	1,373	189	109	72	8	173	52	87	34	911	18	*	24	30	28
25-29 YEARS.............	855	121	78	33	10	192	84	106	2	495	7	6	*	11	23
30-34 YEARS.............	467	53	37	16	*	76	21	55	*	287	2	*	28	19	2
35-39 YEARS.............	380	37	21	16	*	17	6	9	2	231	7	9	*	77	2
40 OR MORE YEARS........	344	26	19	7	*	31	4	22	5	151	7	*	4	117	8
NO REPORT...............	344	39	32	7	*	*	*	*	*	100	*	*	17	180	8
STATISTICIANS															
TOTAL......................	1,813	383	125	207	51	232	108	90	34	1,008	95	5	23	21	46
1 OR LESS YEARS........	21	7	*	7	*	*	*	*	*	12	*	*	*	2	*
2-4 YEARS...............	288	93	15	61	17	1	1	*	*	178	13	*	*	3	*
5-9 YEARS...............	418	124	52	60	12	36	22	12	2	191	29	*	11	4	23
10-14 YEARS.............	300	42	25	5	12	35	25	*	10	215	8	*	*	*	*
15-19 YEARS.............	200	12	2	*	10	60	34	26	*	101	13	*	*	*	14
20-24 YEARS.............	209	21	5	16	*	39	12	24	3	116	21	*	12	*	*
25-29 YEARS.............	128	14	3	11	*	27	8	9	10	81	*	*	*	*	6
30-34 YEARS.............	108	27	17	10	*	20	3	13	4	41	5	5	*	10	*
35-39 YEARS.............	58	22	*	22	*	9	3	6	*	24	*	*	*	*	3
40 OR MORE YEARS........	47	15	6	9	*	5	*	*	5	19	6	*	*	2	*
NO REPORT...............	36	6	*	6	*	*	*	*	*	30	*	*	*	*	*

NO CASES REPORTED

TABLE B-11. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS BY FIELD, YEARS OF PROFESSIONAL EXPERIENCE, AND PRIMARY WORK ACTIVITY: 1975
CONTINUED

FIELD AND YEARS OF PROFESSIONAL EXPERIENCE	TOTAL	RESEARCH AND DEVELOPMENT				....MANAGEMENT OR ADMIN....				TEACHING	CONSULTING	SALES/ PROF. SERVICES	OTHER	NOT EMPLOYED	NO REPORT
		TOTAL	BASIC RESEARCH	APPL'D RESEARCH	DEVELOPMENT	TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH						
COMPUTER SPECIALISTS															
TOTAL	3,662	1,476	236	377	863	815	416	246	153	1,092	86	90	49	5	49
1 OR LESS YEARS	75	61	1	23	37	3	3	*	*	11	*	*	*	*	*
2-4 YEARS	429	237	49	22	166	51	51	*	*	109	7	*	24	*	1
5-9 YEARS	1,036	487	32	163	292	192	84	57	51	282	27	33	3	1	11
10-14 YEARS	747	266	66	94	106	176	63	70	43	268	2	11	2	*	22
15-19 YEARS	451	205	32	25	148	97	41	29	27	147	2	*	*	*	*
20-24 YEARS	475	108	39	29	40	160	95	45	20	153	32	9	11	*	2
25-29 YEARS	194	45	13	12	20	76	47	23	6	62	8	*	*	3	*
30-34 YEARS	78	22	4	2	16	20	4	10	6	36	*	*	*	*	*
35-39 YEARS	65	7	*	*	7	14	14	*	*	16	*	28	*	*	*
40 OR MORE YEARS	24	9	*	2	7	5	2	3	*	2	8	*	*	*	*
NO REPORT	88	29	*	5	24	21	12	9	*	6	*	9	9	1	13
ENVIRONMENTAL SCIENTISTS															
TOTAL	12,783	4,685	2,318	2,183	184	2,870	1,551	867	452	3,588	504	70	409	342	315
1 OR LESS YEARS	138	98	41	54	3	*	*	*	*	35	*	*	*	5	*
2-4 YEARS	1,343	783	394	361	28	93	58	12	23	264	77	31	66	13	16
5-9 YEARS	2,719	1,191	631	487	73	420	243	113	64	866	96	21	56	31	38
10-14 YEARS	2,466	1,024	513	482	29	468	273	137	58	750	55	*	86	34	49
15-19 YEARS	1,732	470	224	218	28	544	316	162	66	531	54	10	42	14	67
20-24 YEARS	1,533	431	160	264	7	445	211	146	88	452	80	*	66	17	42
25-29 YEARS	1,069	271	127	144	*	420	188	145	87	313	18	*	18	3	26
30-34 YEARS	661	194	93	89	12	214	100	71	43	189	2	*	14	33	15
35-39 YEARS	540	145	82	63	*	167	99	50	18	113	16	6	21	59	13
40 OR MORE YEARS	361	34	27	7	*	76	49	22	5	46	83	*	39	54	29
NO REPORT	221	44	26	14	4	23	14	9	*	29	23	2	1	79	20
EARTH SCIENTISTS															
TOTAL	10,076	3,138	1,352	1,669	117	2,378	1,164	802	412	3,135	472	59	350	295	249
1 OR LESS YEARS	96	71	28	43	*	*	*	*	*	25	*	*	*	*	*
2-4 YEARS	964	507	225	263	19	87	52	12	23	209	66	20	56	3	16
5-9 YEARS	1,992	709	297	355	57	346	177	105	64	749	78	21	47	21	21
10-14 YEARS	1,859	641	272	357	12	392	230	114	48	647	55	*	69	25	30
15-19 YEARS	1,464	347	166	171	10	449	230	162	57	495	54	10	36	14	59
20-24 YEARS	1,288	347	101	239	7	362	140	134	88	405	80	*	57	17	20
25-29 YEARS	880	206	103	103	*	328	128	134	66	283	18	*	16	3	26
30-34 YEARS	537	141	68	61	12	192	86	63	43	153	2	*	14	20	15
35-39 YEARS	484	124	68	56	*	143	75	50	18	102	16	6	21	59	13
40 OR MORE YEARS	323	31	24	7	*	56	32	19	5	40	80	*	33	54	29
NO REPORT	189	14	*	14	*	23	14	9	*	27	23	2	1	79	20
OCEANOGRAPHERS															
TOTAL	1,353	640	516	120	4	278	215	23	40	312	9	*	49	33	32
1 OR LESS YEARS	5	*	*	*	*	*	*	*	*	*	*	*	*	5	*
2-4 YEARS	203	160	129	31	*	*	*	*	*	41	*	*	*	2	*
5-9 YEARS	395	210	195	15	*	55	49	6	*	85	9	*	9	10	17
10-14 YEARS	313	151	115	36	*	43	24	9	10	85	*	*	17	9	8
15-19 YEARS	126	25	25	*	*	63	54	*	9	25	*	*	6	*	7
20-24 YEARS	112	46	30	16	*	24	19	5	*	33	*	*	9	*	*
25-29 YEARS	89	21	7	14	*	46	25	*	21	20	*	*	2	*	*
30-34 YEARS	46	13	5	8	*	14	14	*	*	12	*	*	*	7	*
35-39 YEARS	18	*	*	*	*	13	13	*	*	5	*	*	*	*	*
40 OR MORE YEARS	32	*	*	*	*	20	17	3	*	6	*	*	6	*	*
NO REPORT	14	14	10	*	4	*	*	*	*	*	*	*	*	*	*
ATMOSPHERIC SCIENTISTS															
TOTAL	1,354	907	450	394	63	214	172	42	*	141	23	11	10	14	34
1 OR LESS YEARS	37	27	13	11	3	*	*	*	*	10	*	*	*	*	*
2-4 YEARS	176	116	40	67	9	6	6	*	*	14	11	11	10	8	*
5-9 YEARS	332	272	139	117	16	19	17	2	*	32	9	*	*	*	*
10-14 YEARS	294	232	126	89	17	33	19	14	*	18	*	*	*	*	11
15-19 YEARS	142	98	33	47	18	32	32	*	*	11	*	*	*	*	1
20-24 YEARS	133	38	29	9	*	59	52	7	*	14	*	*	*	*	22
25-29 YEARS	100	44	17	27	*	46	35	11	*	10	*	*	*	*	*
30-34 YEARS	78	40	20	20	*	8	*	8	*	24	*	*	*	6	*
35-39 YEARS	38	21	14	7	*	11	11	*	*	6	*	*	*	*	*
40 OR MORE YEARS	6	3	3	*	*	*	*	*	*	*	3	*	*	*	*
NO REPORT	18	16	16	*	*	*	*	*	*	2	*	*	*	*	*
ENGINEERS															
TOTAL	44,425	16,833	1,661	8,189	6,983	12,855	8,133	3,123	1,599	9,592	1,706	391	1,265	1,069	714
1 OR LESS YEARS	322	263	2	190	71	45	34	11	*	1	*	9	2	*	2
2-4 YEARS	4,316	2,949	363	1,474	1,112	424	245	114	65	511	87	41	195	77	32
5-9 YEARS	9,580	4,974	453	2,329	2,192	1,929	1,285	465	179	1,654	356	96	317	126	128
10-14 YEARS	9,109	3,715	326	1,825	1,564	2,349	1,641	491	217	2,214	349	88	218	36	140
15-19 YEARS	6,478	2,014	192	1,021	801	2,379	1,543	595	241	1,600	170	57	157	27	74
20-24 YEARS	5,278	1,269	178	604	487	2,174	1,352	554	268	1,304	203	32	139	52	105
25-29 YEARS	3,929	764	82	381	301	1,678	977	431	270	1,053	133	10	124	81	86
30-34 YEARS	2,296	405	17	151	237	968	563	222	183	629	93	*	35	114	52
35-39 YEARS	1,372	227	29	67	131	505	242	152	111	344	123	28	28	80	37
40 OR MORE YEARS	798	66	5	32	29	181	93	45	43	147	151	7	36	200	10
NO REPORT	947	187	14	115	58	223	158	43	22	135	41	23	14	276	48
LIFE SCIENTISTS															
TOTAL	72,316	27,275	18,011	8,573	691	11,340	6,572	2,952	1,816	20,975	947	2,361	2,237	5,167	2,014
1 OR LESS YEARS	1,261	577	476	86	15	36	18	18	*	210	*	140	64	203	31
2-4 YEARS	9,611	5,309	4,105	1,069	135	480	290	141	49	2,153	94	380	463	577	155
5-9 YEARS	15,499	6,948	4,835	1,959	154	1,639	950	452	237	4,835	249	499	433	483	413
10-14 YEARS	11,188	4,404	2,689	1,559	156	1,862	1,132	443	287	3,673	126	282	341	235	265
15-19 YEARS	9,063	3,114	1,802	1,244	68	1,698	974	514	210	3,148	147	304	223	127	302
20-24 YEARS	8,430	2,865	1,644	1,183	38	1,993	1,149	527	317	2,695	42	260	250	150	175
25-29 YEARS	5,993	1,698	896	771	31	1,813	1,019	425	369	1,801	54	123	142	152	210
30-34 YEARS	3,392	854	531	305	18	794	436	208	150	1,005	38	119	71	377	134
35-39 YEARS	2,473	471	279	167	25	517	282	98	137	725	53	77	131	396	103
40 OR MORE YEARS	2,296	283	209	74	*	280	182	70	28	493	123	75	56	875	111
NO REPORT	3,110	752	545	156	51	228	140	56	32	237	21	102	63	1,592	115

* NO CASES REPORTED

TABLE B-11. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS BY FIELD, YEARS OF PROFESSIONAL EXPERIENCE, AND PRIMARY WORK ACTIVITY: 1975
CONTINUED

FIELD AND YEARS OF PROFESSIONAL EXPERIENCE	TOTAL	RESEARCH AND DEVELOPMENT				....MANAGEMENT OR ADMIN....				TEACHING	CONSULTING	SALES/ PROF. SERVICES	OTHER	NOT EMPLOYED	NO REPORT
		TOTAL	BASIC RESEARCH	APPL'D RESEARCH	DEVELOPMENT	TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH						
BIOLOGICAL SCIENTISTS															
TOTAL......................	43,754	17,352	14,074	3,022	256	4,824	2,663	1,368	793	15,225	379	352	885	3,721	1,016
1 OR LESS YEARS.........	844	460	407	42	11	23	10	13	*	169	*	5	29	153	5
2-4 YEARS...............	6,306	3,790	3,370	384	36	230	124	82	24	1,591	41	62	132	352	108
5-9 YEARS...............	10,132	4,579	3,782	738	59	722	439	203	80	3,887	140	63	185	320	236
10-14 YEARS.............	6,632	2,678	1,997	609	72	700	424	170	106	2,718	46	46	140	149	155
15-19 YEARS.............	5,129	1,773	1,336	412	25	701	354	251	96	2,202	56	67	93	114	123
20-24 YEARS.............	4,669	1,619	1,250	353	16	814	425	220	169	1,878	25	39	108	113	73
25-29 YEARS.............	3,163	928	694	219	15	801	438	212	151	1,157	8	8	36	133	92
30-34 YEARS.............	1,856	560	429	121	10	353	175	103	75	570	*	22	31	257	63
35-39 YEARS.............	1,530	314	243	65	6	249	136	42	71	522	26	7	72	273	67
40 OR MORE YEARS.......	1,421	164	153	11	*	117	68	44	5	365	24	*	22	667	62
NO REPORT...............	2,072	487	413	68	6	114	70	28	16	166	13	33	37	1,190	32
AGRICULTURAL SCIENTISTS															
TOTAL......................	14,277	5,865	1,323	4,312	230	3,008	1,907	606	495	2,676	390	449	794	621	474
1 OR LESS YEARS.........	73	29	10	17	2	*	*	*	*	16	*	16	7	2	3
2-4 YEARS...............	1,466	653	113	468	72	139	96	30	13	320	53	64	184	21	32
5-9 YEARS...............	2,499	1,274	339	899	36	366	199	128	39	358	81	176	147	34	63
10-14 YEARS.............	2,453	1,101	298	751	52	558	383	87	88	437	69	57	152	24	55
15-19 YEARS.............	2,133	910	196	701	13	449	273	123	53	446	63	75	75	5	110
20-24 YEARS.............	1,939	868	152	694	22	523	350	106	67	372	5	22	87	26	36
25-29 YEARS.............	1,629	528	108	420	*	542	317	68	157	357	28	20	76	11	67
30-34 YEARS.............	705	210	43	162	5	191	131	27	33	160	16	10	13	62	43
35-39 YEARS.............	538	119	19	91	9	132	75	31	26	108	15	*	35	94	35
40 OR MORE YEARS.......	422	60	12	48	*	68	59	*	9	63	57	*	18	145	11
NO REPORT...............	420	113	33	61	19	40	24	6	10	39	3	9	*	197	19
MEDICAL SCIENTISTS															
TOTAL......................	14,285	4,058	2,614	1,239	205	3,508	2,002	978	528	3,074	178	1,560	558	825	524
1 OR LESS YEARS.........	344	88	59	27	2	13	8	5	*	25	*	119	28	48	23
2-4 YEARS...............	1,839	866	622	217	27	111	70	29	12	242	*	254	147	204	15
5-9 YEARS...............	2,868	1,095	714	322	59	551	312	121	118	590	28	260	101	129	114
10-14 YEARS.............	2,103	625	394	199	32	604	325	186	93	518	11	179	49	62	55
15-19 YEARS.............	1,801	431	270	131	30	548	347	140	61	500	28	162	55	8	69
20-24 YEARS.............	1,822	378	242	136	*	656	374	201	81	445	12	199	55	11	66
25-29 YEARS.............	1,201	242	94	132	16	470	264	145	61	287	18	95	30	8	51
30-34 YEARS.............	831	84	59	22	3	250	130	78	42	275	22	87	27	58	28
35-39 YEARS.............	405	38	17	11	10	136	71	25	40	95	12	70	24	29	1
40 OR MORE YEARS.......	453	59	44	15	*	95	55	26	14	65	42	75	16	63	38
NO REPORT...............	618	152	99	27	26	74	46	22	6	32	5	60	26	205	64
PSYCHOLOGISTS															
TOTAL......................	31,613	3,486	1,893	1,355	238	5,519	1,784	2,765	970	11,418	1,268	7,452	518	1,279	673
1 OR LESS YEARS.........	369	46	36	10	*	3	*	*	3	99	16	133	*	56	16
2-4 YEARS...............	3,745	595	346	231	18	336	169	120	47	1,463	103	1,010	104	91	43
5-9 YEARS...............	7,652	1,166	657	433	76	1,034	403	428	203	2,935	208	1,975	83	137	114
10-14 YEARS.............	5,128	589	257	248	84	961	286	548	127	2,033	207	1,110	64	68	96
15-19 YEARS.............	4,299	418	228	146	44	923	257	449	217	1,578	132	1,006	72	84	86
20-24 YEARS.............	4,052	231	129	102	*	1,051	265	615	171	1,339	205	957	73	92	104
25-29 YEARS.............	2,804	179	97	77	5	683	287	299	97	933	227	624	36	48	74
30-34 YEARS.............	1,304	89	58	31	*	240	37	152	51	452	72	290	32	84	45
35-39 YEARS.............	795	58	16	37	5	155	52	77	26	294	35	106	23	91	33
40 OR MORE YEARS.......	628	52	37	15	*	77	14	40	23	165	59	56	28	158	33
NO REPORT...............	837	63	32	25	6	56	14	37	5	127	4	185	3	370	29
SOCIAL SCIENTISTS															
TOTAL......................	38,251	4,827	2,263	2,406	158	5,840	1,844	2,915	1,081	21,899	599	427	1,232	2,286	1,141
1 OR LESS YEARS.........	216	59	37	22	*	13	10	1	2	71	*	*	12	44	17
2-4 YEARS...............	3,390	620	320	273	27	173	98	74	1	1,985	29	65	227	143	148
5-9 YEARS...............	8,986	1,477	611	796	70	846	375	354	117	5,751	89	90	313	205	215
10-14 YEARS.............	7,178	1,016	405	606	5	1,125	349	557	219	4,464	122	111	99	141	100
15-19 YEARS.............	4,796	552	279	266	7	819	164	454	201	3,030	92	21	82	84	116
20-24 YEARS.............	4,533	324	194	122	8	1,061	343	511	207	2,576	62	25	198	120	167
25-29 YEARS.............	3,397	297	164	116	17	905	261	512	132	1,824	39	32	133	50	117
30-34 YEARS.............	1,687	148	89	59	*	335	79	193	63	882	49	3	54	115	101
35-39 YEARS.............	1,386	110	35	63	12	245	87	115	43	586	38	48	63	245	51
40 OR MORE YEARS.......	1,367	105	65	40	*	173	43	92	38	442	64	20	27	508	28
NO REPORT...............	1,315	119	64	43	12	145	35	52	58	288	15	12	24	631	81
ECONOMISTS															
TOTAL......................	11,049	1,740	530	1,194	16	2,059	762	908	389	5,347	283	144	452	752	272
1 OR LESS YEARS.........	19	19	7	12	*	*	*	*	*	*	*	*	*	*	*
2-4 YEARS...............	817	227	94	130	3	45	22	23	*	364	14	18	65	36	48
5-9 YEARS...............	2,564	590	152	427	11	331	196	83	52	1,358	31	32	155	18	49
10-14 YEARS.............	2,043	423	106	315	2	358	152	109	97	1,136	36	28	34	24	4
15-19 YEARS.............	1,251	185	65	120	*	256	69	139	48	652	72	11	13	15	47
20-24 YEARS.............	1,243	62	51	11	*	372	124	182	66	622	35	19	68	8	57
25-29 YEARS.............	1,139	77	17	60	*	373	85	220	68	562	25	10	52	14	26
30-34 YEARS.............	473	64	18	46	*	114	20	84	10	252	12	1	*	6	24
35-39 YEARS.............	557	34	2	32	*	86	35	24	27	253	24	10	44	106	*
40 OR MORE YEARS.......	488	11	3	8	*	78	24	44	10	101	23	15	21	225	14
NO REPORT...............	455	48	15	33	*	46	35	*	11	47	11	*	*	300	3
SOCIOLOGISTS/ANTHRO.															
TOTAL......................	8,775	1,201	721	480	*	829	280	457	92	5,735	33	57	74	589	257
1 OR LESS YEARS.........	44	21	11	10	*	*	*	*	*	3	*	*	*	20	*
2-4 YEARS...............	879	162	96	66	*	30	30	*	*	577	11	*	27	44	28
5-9 YEARS...............	2,172	258	120	138	*	152	64	88	*	1,576	10	22	16	75	63
10-14 YEARS.............	1,625	239	159	80	*	165	20	126	19	1,127	*	*	10	48	36
15-19 YEARS.............	1,043	171	99	72	*	109	24	56	29	705	*	*	8	24	26
20-24 YEARS.............	1,132	165	102	63	*	152	62	81	9	731	*	6	9	29	40
25-29 YEARS.............	709	89	59	30	*	107	55	40	12	456	12	*	*	24	21
30-34 YEARS.............	403	33	30	3	*	58	25	21	12	279	*	2	*	21	10
35-39 YEARS.............	212	18	10	8	*	23	*	12	11	101	*	22	*	44	4
40 OR MORE YEARS.......	262	30	20	10	*	19	*	19	*	91	*	5	4	113	*
NO REPORT...............	294	15	15	*	*	14	*	14	*	89	*	*	*	147	29

* NO CASES REPORTED

TABLE B-11. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS BY FIELD, YEARS OF PROFESSIONAL EXPERIENCE, AND PRIMARY WORK ACTIVITY: 1975
CONTINUED

		RESEARCH AND DEVELOPMENT				....MANAGEMENT OR ADMIN....									
FIELD AND YEARS OF PROFESSIONAL EXPERIENCE	TOTAL	TOTAL	BASIC RE-SEARCH	APPL'D RE-SEARCH	DEVEL-OPMENT	TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH	TEACH-ING	CON-SULT-ING	SALES/ PROF. SER-VICES	OTHER	NOT EM-PLOYED	NO REPORT
OTHER SOCIAL SCIENTISTS															
TOTAL......................	18,427	1,886	1,012	732	142	2,952	802	1,550	600	10,817	283	226	706	945	612
1 OR LESS YEARS.........	153	19	19	*	*	13	10	1	2	68	*	*	12	24	17
2-4 YEARS...............	1,694	231	130	77	24	98	46	51	1	1,044	4	47	135	63	72
5-9 YEARS...............	4,250	629	339	231	59	363	115	183	65	2,817	48	36	142	112	103
10-14 YEARS.............	3,510	354	140	211	3	602	177	322	103	2,201	86	83	55	69	60
15-19 YEARS.............	2,502	196	115	74	7	454	71	259	124	1,673	20	10	61	45	43
20-24 YEARS.............	2,158	97	41	48	8	537	157	248	132	1,223	27	*	121	83	70
25-29 YEARS.............	1,549	131	88	26	17	425	121	252	52	806	2	22	81	12	70
30-34 YEARS.............	811	51	41	10	*	163	34	88	41	351	37	*	54	88	67
35-39 YEARS.............	617	58	23	23	12	136	52	79	5	232	14	16	19	95	47
40 OR MORE YEARS........	617	64	42	22	*	76	19	29	28	250	41	*	2	170	14
NO REPORT...............	566	56	34	10	12	85	*	38	47	152	4	12	24	184	49
NO REPORT															
TOTAL......................	658	4	2	*	2	18	3	15	*	39	*	5	5	564	23
1 OR LESS YEARS.........	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2-4 YEARS...............	12	*	*	*	*	*	*	*	*	*	*	*	*	12	*
5-9 YEARS...............	4	2	*	*	2	*	*	*	*	*	*	*	*	2	*
10-14 YEARS.............	22	*	*	*	*	*	*	*	*	13	*	*	*	9	*
15-19 YEARS.............	14	*	*	*	*	*	*	*	*	1	*	*	*	12	1
20-24 YEARS.............	48	*	*	*	*	10	3	7	*	13	*	*	*	23	2
25-29 YEARS.............	31	2	2	*	*	1	*	1	*	3	*	5	*	18	2
30-34 YEARS.............	56	*	*	*	*	*	*	*	*	5	*	*	*	49	2
35-39 YEARS.............	90	*	*	*	*	*	*	*	*	*	*	*	*	90	*
40 OR MORE YEARS........	162	*	*	*	*	*	*	*	*	2	*	*	5	153	2
NO REPORT...............	219	*	*	*	*	7	*	7	*	2	*	*	*	196	14

* NO CASES REPORTED

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-12. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS BY FIELD, SEX, AND RACE: 1975

		SEX		..............RACE..............					
FIELD	TOTAL	MEN	WOMEN	WHITE/ CAUCASIAN	BLACK/ NEGRO	AMERICAN INDIAN	ASIAN	OTHER	NO REPORT
TOTAL......................	23,100	23,500	19,000	23,200	22,800	20,800	21,500	20,600	23,100
PHYSICAL SCIENTISTS.......	23,900	24,100	19,100	24,100	22,900	**	20,800	**	23,400
CHEMISTS..................	24,000	24,200	19,000	24,200	23,800	**	21,300	**	23,000
PHYSICISTS/ASTRONOMERS...	23,600	23,700	19,300	23,900	**	**	20,400	**	23,900
MATHEMATICAL SCIENTISTS...	21,200	21,400	18,300	21,200	21,700	**	20,300	**	21,900
MATHEMATICIANS............	20,900	21,100	18,100	20,900	21,600	**	20,800	**	21,100
STATISTICIANS.............	23,100	23,200	22,100	23,300	**	**	**	**	**
COMPUTER SPECIALISTS......	23,400	23,600	18,000	23,500	**	**	19,200	**	26,300
ENVIRONMENTAL SCIENTISTS..	23,400	23,500	19,000	23,300	**	**	22,500	**	24,500
EARTH SCIENTISTS..........	23,500	23,600	18,200	23,500	**	**	22,100	**	24,400
OCEANOGRAPHERS............	22,100	22,200	**	22,000	**	**	**	**	**
ATMOSPHERIC SCIENTISTS...	24,100	24,200	**	23,900	**	**	**	**	**
ENGINEERS.................	25,200	25,200	20,900	25,500	25,100	**	22,300	**	24,200
LIFE SCIENTISTS...........	22,200	22,600	18,900	22,300	22,100	**	20,700	**	22,600
BIOLOGICAL SCIENTISTS....	21,300	21,800	18,400	21,300	21,600	**	20,400	**	20,700
AGRICULTURAL SCIENTISTS..	22,000	22,000	20,000	22,000	**	**	18,000	**	23,600
MEDICAL SCIENTISTS........	25,700	26,300	20,600	25,900	22,900	**	23,400	**	25,900
PSYCHOLOGISTS.............	22,100	22,700	19,600	22,000	23,400	**	21,700	**	22,700
SOCIAL SCIENTISTS.........	22,100	22,500	18,700	22,100	22,100	**	20,800	**	23,200
ECONOMISTS................	24,600	24,700	21,400	24,500	**	**	23,300	**	26,000
SOCIOLOGISTS/ANTHRO......	20,700	21,600	18,500	20,800	23,300	**	18,500	**	21,100
OTHER SOCIAL SCIENTISTS..	21,200	21,600	18,200	21,100	21,800	**	20,700	**	22,000
NO REPORT.................	25,900	**	**	**	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

NOTE: MEDIAN SALARIES COMPUTED ONLY FOR FULL-TIME EMPLOYED CIVILIANS

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-13. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD AND AGE: 1975

		AGE											
FIELD	TOTAL	24 OR UNDER	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70 OR OVER	NO REPORT
TOTAL....................	23,100	**	16,900	18,800	21,500	24,200	26,200	28,100	28,200	28,500	28,000	22,900	24,200
PHYSICAL SCIENTISTS.......	23,900	**	18,000	19,300	22,100	25,200	27,300	28,800	29,300	29,400	25,800	**	**
CHEMISTS..................	24,000	**	18,200	19,200	22,300	25,100	27,300	28,200	28,500	29,400	25,100	**	**
PHYSICISTS/ASTRONOMERS...	23,600	**	17,400	19,300	21,700	25,400	27,200	29,700	30,800	29,300	27,200	**	**
MATHEMATICAL SCIENTISTS...	21,200	**	15,400	18,100	20,300	23,100	26,300	28,900	27,900	28,800	29,800	**	**
MATHEMATICIANS............	20,900	**	15,400	18,000	20,100	22,900	25,700	28,600	27,600	28,200	30,000	**	**
STATISTICIANS.............	23,100	**	**	18,600	22,100	24,700	28,300	30,200	29,200	**	**	**	**
COMPUTER SPECIALISTS......	23,400	**	17,500	20,600	23,200	25,200	33,700	29,000	**	**	**	**	**
ENVIRONMENTAL SCIENTISTS..	23,400	**	17,000	18,500	21,600	23,900	26,300	27,800	29,300	27,800	30,600	**	**
EARTH SCIENTISTS..........	23,500	**	16,300	18,700	21,300	23,300	26,500	27,600	28,600	27,400	30,500	**	**
OCEANOGRAPHERS............	22,100	**	**	17,300	20,100	23,700	26,600	**	**	**	**	**	**
ATMOSPHERIC SCIENTISTS...	24,100	**	**	18,700	23,000	27,600	**	27,800	**	**	**	**	**
ENGINEERS.................	25,200	**	20,100	21,700	24,500	25,900	29,000	30,700	30,800	31,500	29,900	**	**
LIFE SCIENTISTS...........	22,200	**	15,900	17,800	20,200	23,100	25,100	26,800	26,700	27,800	28,500	26,100	**
BIOLOGICAL SCIENTISTS....	21,300	**	15,400	17,400	19,700	22,300	25,000	26,000	26,400	27,400	28,000	**	**
AGRICULTURAL SCIENTISTS..	22,000	**	**	17,800	20,200	22,400	24,000	25,700	25,400	25,500	27,700	**	**
MEDICAL SCIENTISTS.......	25,700	**	17,100	19,600	22,800	26,800	30,000	30,200	31,300	34,500	32,300	**	**
PSYCHOLOGISTS.............	22,100	**	16,000	18,100	20,700	23,200	25,400	26,000	26,700	25,800	25,600	**	**
SOCIAL SCIENTISTS.........	22,100	**	16,600	18,000	19,800	22,500	24,400	26,700	27,200	28,400	30,100	**	**
ECONOMISTS................	24,600	**	18,400	20,500	22,600	25,000	25,700	29,700	30,300	29,700	**	**	**
SOCIOLOGISTS/ANTHRO......	20,700	**	16,100	17,300	18,600	21,200	23,500	24,600	26,600	28,000	**	**	**
OTHER SOCIAL SCIENTISTS..	21,200	**	16,100	17,200	18,900	22,000	24,400	26,600	25,600	27,100	30,100	**	**
NO REPORT.................	25,900	**	**	**	**	**	**	**	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

NOTE: MEDIAN SALARIES COMPUTED ONLY FOR FULL-TIME EMPLOYED CIVILIANS

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-14. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD AND PRIMARY WORK ACTIVITY: 1975

		RESEARCH AND DEVELOPMENT				....MANAGEMENT OR ADMIN....									
FIELD	TOTAL	TOTAL	BASIC RE-SEARCH	APPL'D RE-SEARCH	DEVEL-OPMENT	TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH	TEACH-ING	CON-SULT-ING	SALES/PROF. SER-VICES	OTHER	NOT EM-PLOYED	NO REPORT
TOTAL....................	23,100	23,000	22,200	23,300	23,600	29,500	30,100	27,800	30,200	20,600	25,400	21,900	22,100	**	23,700
PHYSICAL SCIENTISTS.......	23,900	23,600	23,200	24,100	23,300	30,200	30,400	28,900	29,900	20,300	27,600	24,000	22,100	**	25,100
CHEMISTS..................	24,000	23,500	23,600	23,500	22,900	30,100	30,200	29,100	28,800	19,900	28,200	24,900	22,000	**	26,300
PHYSICISTS/ASTRONOMERS...	23,600	24,000	22,600	25,000	24,200	31,100	32,000	27,900	32,000	20,900	**	**	22,600	**	23,100
MATHEMATICAL SCIENTISTS...	21,200	22,700	21,200	24,900	21,300	29,000	31,200	27,300	25,400	19,900	25,600	**	**	**	20,900
MATHEMATICIANS............	20,900	22,500	20,900	25,200	21,400	28,300	32,300	26,400	24,500	19,800	**	**	**	**	22,600
STATISTICIANS.............	23,100	23,500	22,600	24,200	**	29,300	**	**	**	21,000	**	**	**	**	**
COMPUTER SPECIALISTS......	23,400	22,900	23,900	23,100	22,500	30,000	30,800	28,000	26,300	22,000	**	**	**	**	**
ENVIRONMENTAL SCIENTISTS..	23,400	23,200	22,800	23,900	23,400	29,200	29,400	28,200	32,000	20,200	24,300	**	21,500	**	23,500
EARTH SCIENTISTS..........	23,500	23,700	23,200	24,100	**	29,200	29,400	28,300	32,200	20,200	25,000	**	21,700	**	23,100
OCEANOGRAPHERS............	22,100	20,700	20,300	**	**	28,600	27,900	**	**	19,000	**	**	**	**	**
ATMOSPHERIC SCIENTISTS...	24,100	23,400	23,800	23,000	**	30,200	30,900	**	**	21,800	**	**	**	**	**
ENGINEERS.................	25,200	23,800	23,100	23,800	23,900	30,400	30,300	29,800	32,500	22,900	25,500	23,100	23,600	**	25,900
LIFE SCIENTISTS...........	22,200	21,600	21,500	21,700	22,000	29,300	30,000	27,200	30,000	20,300	21,400	24,500	20,200	**	23,100
BIOLOGICAL SCIENTISTS....	21,300	21,500	21,300	22,000	22,000	27,600	28,600	25,400	27,500	19,700	20,700	24,100	20,600	**	20,800
AGRICULTURAL SCIENTISTS..	22,000	21,200	21,500	21,100	21,700	29,100	29,000	27,700	30,100	20,500	22,600	18,300	19,300	**	23,900
MEDICAL SCIENTISTS.......	25,700	22,900	22,100	24,900	22,900	31,600	32,800	29,400	30,800	23,600	**	34,900	21,500	**	26,500
PSYCHOLOGISTS.............	22,100	22,400	21,900	22,700	24,500	25,600	26,700	25,200	26,200	20,200	23,900	21,300	21,800	**	23,400
SOCIAL SCIENTISTS.........	22,100	22,900	22,100	24,100	**	29,800	28,100	29,800	32,000	20,400	30,400	21,300	23,700	**	22,200
ECONOMISTS................	24,600	25,000	26,600	24,700	**	32,700	31,300	34,000	36,400	21,900	33,600	**	30,400	**	25,100
SOCIOLOGISTS/ANTHRO......	20,700	22,100	22,100	22,300	**	26,200	25,600	25,900	**	19,800	**	**	**	**	20,600
OTHER SOCIAL SCIENTISTS..	21,200	21,200	20,300	22,600	**	28,000	27,300	27,700	31,000	19,700	26,400	19,500	21,700	**	21,800
NO REPORT.................	25,900	**	**	**	**	**	**	**	**	**	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

NOTE: MEDIAN SALARIES COMPUTED ONLY FOR FULL-TIME EMPLOYED CIVILIANS

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-15. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD AND TYPE OF EMPLOYER: 1975

FIELD	TOTAL	BUSINESS/INDUSTRY	EDUCATIONAL INSTITUTIONS				HOSPITAL/CLINIC	NONPROFIT ORGS.	FEDERAL GOV'T	MILITARY/COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
			TOTAL	4-YEAR COLL/UNIV.	2-YEAR COLL.	ELEM/SEC. SCHOOL									
TOTAL....................	23,100	26,000	21,400	21,400	19,200	20,600	24,800	24,400	26,200	**	20,900	22,700	**	**	**
PHYSICAL SCIENTISTS.......	23,900	25,900	21,000	21,400	18,500	13,700	22,300	23,900	26,000	**	18,200	**	**	**	**
CHEMISTS..................	24,000	25,900	20,500	20,700	18,800	14,000	21,300	23,600	26,300	**	17,800	**	**	**	**
PHYSICISTS/ASTRONOMERS...	23,600	25,900	22,000	22,200	18,000	**	**	24,300	25,700	**	**	**	**	**	**
MATHEMATICAL SCIENTISTS...	21,200	25,600	20,500	20,500	18,300	**	**	26,200	27,500	**	**	**	**	**	**
MATHEMATICIANS............	20,900	26,100	20,300	20,400	18,200	**	**	26,800	26,000	**	**	**	**	**	**
STATISTICIANS.............	23,100	24,400	22,200	22,200	**	**	**	**	30,200	**	**	**	**	**	**
COMPUTER SPECIALISTS......	23,400	23,900	22,700	22,700	**	**	**	**	24,800	**	**	**	**	**	**
ENVIRONMENTAL SCIENTISTS..	23,400	26,100	20,900	21,100	18,300	**	**	23,500	27,400	**	20,400	**	**	**	**
EARTH SCIENTISTS..........	23,500	26,400	20,800	20,900	**	**	**	24,000	27,600	**	20,200	**	**	**	**
OCEANOGRAPHERS............	22,100	**	19,700	20,000	**	**	**	**	28,500	**	**	**	**	**	**
ATMOSPHERIC SCIENTISTS...	24,100	22,600	23,000	23,100	**	**	**	24,300	27,100	**	**	**	**	**	**
ENGINEERS.................	25,200	26,000	23,600	23,600	21,000	**	**	25,800	26,600	**	19,500	24,000	**	**	**
LIFE SCIENTISTS...........	22,200	25,500	20,900	21,000	18,000	17,600	24,000	22,800	25,400	**	20,600	23,400	**	**	**
BIOLOGICAL SCIENTISTS....	21,300	24,900	20,300	20,400	17,800	18,000	21,900	20,900	25,200	**	20,400	20,000	**	**	**
AGRICULTURAL SCIENTISTS..	22,000	23,200	20,800	20,800	**	**	**	**	24,900	**	19,100	**	**	**	**
MEDICAL SCIENTISTS.......	25,700	29,900	24,100	24,100	**	**	26,300	25,600	28,900	**	26,300	23,700	**	**	**
PSYCHOLOGISTS.............	22,100	30,500	21,000	20,800	23,000	22,300	21,300	24,200	26,700	**	21,800	20,900	**	**	**
SOCIAL SCIENTISTS.........	22,100	28,300	21,200	21,200	20,900	**	**	25,200	28,900	**	22,300	29,100	**	**	**
ECONOMISTS................	24,600	30,800	22,800	22,800	**	**	**	33,000	27,700	**	**	32,000	**	**	**
SOCIOLOGISTS/ANTHRO......	20,700	**	20,500	20,600	**	**	**	18,700	**	**	**	**	**	**	**
OTHER SOCIAL SCIENTISTS..	21,200	22,900	20,500	20,500	22,100	**	**	22,500	30,800	**	21,500	24,100	**	**	**
NO REPORT.................	25,900	**	**	**	**	**	**	**	**	**	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

NOTE: MEDIAN SALARIES COMPUTED ONLY FOR FULL-TIME EMPLOYED CIVILIANS

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-16. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS
BY FIELD AND YEARS OF PROFESSIONAL EXPERIENCE: 1975

FIELD	TOTAL	YEARS OF PROFESSIONAL EXPERIENCE										
		1 OR LESS YEARS	2-4 YEARS	5-9 YEARS	10-14 YEARS	15-19 YEARS	20-24 YEARS	25-29 YEARS	30-34 YEARS	35-39 YEARS	40 OR MORE YEARS	NO REPORT
TOTAL....................	23,100	16,200	17,400	19,800	22,900	25,000	27,500	29,100	29,200	30,200	29,400	22,800
PHYSICAL SCIENTISTS.......	23,900	17,700	18,000	20,300	23,400	25,600	29,100	29,000	29,800	30,300	27,700	23,800
CHEMISTS..................	24,000	17,900	17,900	20,600	23,400	25,400	28,800	28,800	29,500	30,000	25,900	24,200
PHYSICISTS/ASTRONOMERS...	23,600	**	18,100	19,900	23,300	26,000	29,600	29,600	30,700	30,800	30,100	22,000
MATHEMATICAL SCIENTISTS...	21,200	13,200	16,100	18,700	20,700	24,200	26,200	29,700	28,500	31,500	28,700	20,600
MATHEMATICIANS............	20,900	12,800	16,000	18,500	20,600	23,800	25,800	29,700	28,200	30,500	28,100	20,100
STATISTICIANS.............	23,100	**	16,400	20,400	21,500	27,100	29,500	29,500	31,000	**	**	**
COMPUTER SPECIALISTS......	23,400	**	17,400	21,500	23,400	26,700	30,100	33,600	**	**	**	**
ENVIRONMENTAL SCIENTISTS..	23,400	**	17,100	20,000	22,400	25,000	27,800	29,100	28,200	30,900	30,800	**
EARTH SCIENTISTS..........	23,500	**	17,500	19,900	22,100	25,000	27,300	28,700	27,900	30,500	30,700	**
OCEANOGRAPHERS............	22,100	**	**	18,900	22,600	24,500	**	**	**	**	**	**
ATMOSPHERIC SCIENTISTS...	24,100	**	**	22,200	22,900	**	**	**	**	**	**	**
ENGINEERS.................	25,200	18,900	19,700	22,900	24,800	26,800	28,900	31,400	31,300	31,400	30,900	25,300
LIFE SCIENTISTS...........	22,200	15,400	16,900	18,900	22,000	24,200	26,200	27,900	27,700	29,200	29,300	23,300
BIOLOGICAL SCIENTISTS....	21,300	15,300	16,400	18,400	21,400	23,800	26,000	27,200	26,900	29,500	28,400	22,600
AGRICULTURAL SCIENTISTS..	22,000	**	17,000	18,800	21,800	23,000	24,900	26,300	25,900	26,600	27,800	**
MEDICAL SCIENTISTS.......	25,700	16,500	18,600	22,000	25,500	28,300	30,100	31,500	33,200	33,000	35,200	24,600
PSYCHOLOGISTS.............	22,100	15,400	16,700	19,000	22,400	23,900	26,900	26,500	27,100	28,000	27,700	20,500
SOCIAL SCIENTISTS.........	22,100	**	16,500	18,700	22,000	24,000	26,200	28,800	28,900	30,100	30,200	20,300
ECONOMISTS................	24,600	**	18,300	20,900	23,900	26,300	28,200	30,600	30,500	32,000	31,000	**
SOCIOLOGISTS/ANTHRO......	20,700	**	16,300	18,000	20,700	23,600	25,300	26,600	27,400	30,800	**	**
OTHER SOCIAL SCIENTISTS..	21,200	**	15,900	18,200	21,200	23,000	25,900	27,800	28,800	29,200	29,600	20,400
NO REPORT.................	25,900	**	**	**	**	**	**	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

NOTE: MEDIAN SALARIES COMPUTED ONLY FOR FULL-TIME EMPLOYED CIVILIANS

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-17. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY GEOGRAPHIC DIVISION, STATE, AND FIELD: 1975

GEOGRAPHIC DIVISION AND STATE	TOTAL	PHYSICAL SCIENTISTS			...MATH. SCIENTISTS....			COM- PUTER SPECIAL- ISTS	ENVIRONMENTAL SCIENTISTS			
		TOTAL	CHEM- ISTS	PHYSI- CISTS/ ASTRON.	TOTAL	MATH.	STAT.		TOTAL	EARTH SCI.	OCEAN.	ATMOS. SCI.
TOTAL....................	277,517	59,267	38,784	20,483	14,542	12,729	1,813	3,662	12,783	10,076	1,353	1,354
NEW ENGLAND.............	21,355	4,728	2,715	2,013	1,207	1,118	89	225	872	587	220	65
CONNECTICUT...........	5,044	1,185	850	335	272	271	1	18	119	68	45	6
MAINE.................	1,039	132	99	33	75	75	*	*	43	26	17	*
MASSACHUSETTS.........	12,098	2,779	1,403	1,376	680	598	82	166	564	411	94	59
NEW HAMPSHIRE.........	976	160	76	84	54	54	*	10	23	11	12	*
RHODE ISLAND..........	1,306	294	190	104	91	85	6	20	96	44	52	*
VERMONT...............	892	178	97	81	35	35	*	11	27	27	*	*
MIDDLE ATLANTIC.........	55,011	13,773	9,980	3,793	2,795	2,508	287	968	1,568	1,277	150	141
NEW JERSEY............	11,658	3,803	2,955	848	432	382	50	262	205	178	13	14
NEW YORK..............	28,074	6,562	4,498	2,064	1,667	1,538	129	454	860	672	109	79
PENNSYLVANIA..........	15,279	3,408	2,527	881	696	588	108	252	503	427	28	48
EAST NORTH CENTRAL......	45,432	10,042	7,185	2,857	2,399	2,073	326	534	1,465	1,284	65	116
ILLINOIS..............	12,959	2,738	1,756	982	678	582	96	178	406	338	14	54
INDIANA...............	5,796	1,143	866	277	333	300	33	22	140	131	9	*
MICHIGAN..............	9,664	2,166	1,593	573	519	470	49	102	252	186	33	33
OHIO..................	11,807	3,152	2,440	712	556	456	100	189	431	422	*	9
WISCONSIN.............	5,206	843	530	313	313	265	48	43	236	207	9	20
WEST NORTH CENTRAL......	17,070	2,934	2,300	634	1,008	869	139	219	490	439	*	51
IOWA..................	2,663	331	217	114	183	141	42	41	54	54	*	*
KANSAS................	2,364	317	248	69	129	102	27	20	47	47	*	*
MINNESOTA.............	4,788	1,015	768	247	274	256	18	85	79	70	*	9
MISSOURI..............	4,563	934	789	145	265	240	25	43	174	140	*	34
NORTH DAKOTA..........	646	93	93	*	45	32	13	*	24	24	*	*
NEBRASKA..............	1,531	163	148	15	95	81	14	30	78	78	*	*
SOUTH DAKOTA..........	515	81	37	44	17	17	*	*	34	26	*	8
SOUTH ATLANTIC..........	49,267	10,822	6,891	3,931	2,500	2,007	493	606	2,249	1,649	329	271
DELAWARE..............	3,218	1,962	1,842	120	45	45	*	14	66	30	36	*
DISTRICT OF COLUMBIA..	9,626	1,807	758	1,049	386	267	119	115	466	352	67	47
FLORIDA...............	6,277	956	579	377	325	260	65	59	313	220	80	13
GEORGIA...............	4,531	738	440	298	230	185	45	19	171	152	19	*
MARYLAND..............	8,851	1,916	846	1,070	448	348	100	192	347	182	23	142
NORTH CAROLINA........	5,818	1,191	960	231	296	260	36	53	191	107	36	48
SOUTH CAROLINA........	2,153	523	420	103	191	153	38	17	60	60	*	*
VIRGINIA..............	7,433	1,353	719	634	543	463	80	137	620	531	68	21
WEST VIRGINIA.........	1,360	376	327	49	36	26	10	*	15	15	*	*

* NO CASES REPORTED

TABLE B-17. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY GEOGRAPHIC DIVISION, STATE, AND FIELD: 1975
CONTINUED

GEOGRAPHIC DIVISION AND STATE	ENGI- NEERS	........LIFE SCIENTISTS......... TOTAL	BIOL. SCI.	AGRIC. SCI.	MEDICAL SCI.	PSY- CHOL- OGISTS	.......SOCIAL SCIENTISTS....... TOTAL	ECON- OMISTS	SOCIO/ ANTHRO.	OTHER	NO REPORT
TOTAL..................	44,425	72,316	43,754	14,277	14,285	31,613	38,251	11,049	8,775	18,427	658
NEW ENGLAND............	3,627	4,702	3,263	514	925	2,652	3,287	919	830	1,538	55
CONNECTICUT..........	774	1,145	776	117	252	679	846	246	247	353	6
MAINE................	169	295	169	100	26	151	171	71	70	30	3
MASSACHUSETTS........	2,317	2,418	1,753	153	512	1,456	1,697	496	399	802	21
NEW HAMPSHIRE........	99	306	229	28	49	151	168	34	19	115	5
RHODE ISLAND.........	175	296	202	35	59	103	225	21	61	143	6
VERMONT..............	93	242	134	81	27	112	180	51	34	95	14
MIDDLE ATLANTIC........	9,457	11,905	7,544	1,310	3,051	7,025	7,411	1,907	1,943	3,561	109
NEW JERSEY...........	2,827	2,139	1,178	331	630	1,006	971	286	244	441	13
NEW YORK.............	3,597	6,213	4,122	540	1,551	4,277	4,372	1,087	1,176	2,109	72
PENNSYLVANIA.........	3,033	3,553	2,244	439	870	1,742	2,068	534	523	1,011	24
EAST NORTH CENTRAL......	7,016	11,851	7,182	2,199	2,470	5,158	6,866	1,852	1,702	3,312	101
ILLINOIS.............	1,851	3,406	2,015	620	771	1,464	2,206	654	582	970	32
INDIANA..............	882	1,719	1,020	367	332	741	797	208	229	360	19
MICHIGAN.............	1,498	2,501	1,512	415	574	1,310	1,292	290	286	716	24
OHIO.................	2,188	2,494	1,522	416	556	1,120	1,655	508	372	775	22
WISCONSIN............	597	1,731	1,113	381	237	523	916	192	233	491	4
WEST NORTH CENTRAL......	1,821	6,301	3,302	1,873	1,126	2,182	2,081	508	624	949	34
IOWA.................	360	973	515	280	178	316	401	109	122	170	4
KANSAS...............	155	843	430	276	137	480	371	86	135	150	2
MINNESOTA............	395	1,671	851	421	399	750	503	127	162	214	16
MISSOURI.............	680	1,564	920	410	234	374	523	145	140	238	6
NORTH DAKOTA.........	51	304	120	169	15	79	47	11	*	36	3
NEBRASKA.............	139	732	339	254	139	142	152	14	33	105	*
SOUTH DAKOTA.........	41	214	127	63	24	41	84	16	32	36	3
SOUTH ATLANTIC..........	6,787	14,153	8,251	3,004	2,898	4,551	7,451	2,715	1,164	3,572	148
DELAWARE.............	531	363	209	97	57	59	175	84	45	46	3
DISTRICT OF COLUMBIA..	1,206	2,085	921	690	474	588	2,963	1,456	174	1,333	10
FLORIDA..............	978	1,894	1,068	416	410	906	771	228	166	377	75
GEORGIA..............	455	1,723	1,021	371	331	597	591	191	149	251	7
MARYLAND.............	1,044	3,510	2,157	441	912	706	679	212	147	320	9
NORTH CAROLINA.......	663	1,980	1,272	405	303	587	840	146	215	479	17
SOUTH CAROLINA.......	323	618	347	139	132	195	223	66	42	115	3
VIRGINIA.............	1,424	1,519	973	325	221	754	1,059	299	184	576	24
WEST VIRGINIA........	163	461	283	120	58	159	150	33	42	75	*

* NO CASES REPORTED

TABLE B-17. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY GEOGRAPHIC DIVISION, STATE, AND FIELD: 1975
CONTINUED

GEOGRAPHIC DIVISION AND STATE	TOTAL	PHYSICAL SCIENTISTS TOTAL	CHEM- ISTS	PHYSI- CISTS/ ASTRON.	...MATH. SCIENTISTS.... TOTAL	MATH.	STAT.	COM- PUTER SPECIAL- ISTS	ENVIRONMENTAL SCIENTISTS TOTAL	EARTH SCI.	OCEAN.	ATMOS. SCI.
EAST SOUTH CENTRAL......	11,575	2,082	1,430	652	664	596	68	100	333	283	21	29
ALABAMA...............	2,838	469	254	215	142	140	2	46	57	35	21	1
KENTUCKY..............	2,460	361	287	74	164	141	23	8	48	48	*	*
MISSISSIPPI...........	1,585	220	188	32	70	70	*	18	54	44	*	10
TENNESSEE.............	4,692	1,032	701	331	288	245	43	28	174	156	*	18
WEST SOUTH CENTRAL......	19,364	3,590	2,540	1,050	1,198	1,060	138	220	1,478	1,328	87	63
ARKANSAS..............	1,128	164	126	38	95	90	5	5	13	13	*	*
LOUISIANA.............	3,229	603	481	122	263	235	28	19	167	127	40	*
OKLAHOMA..............	2,572	375	318	57	193	153	40	32	207	188	6	13
TEXAS.................	12,435	2,448	1,615	833	647	582	65	164	1,091	1,000	41	50
MOUNTAIN................	16,716	3,266	1,465	1,801	879	793	86	192	1,704	1,417	2	285
ARIZONA...............	2,917	488	234	254	152	141	11	*	238	202	*	36
COLORADO..............	5,119	725	346	379	302	290	12	60	750	613	2	135
IDAHO.................	1,079	199	132	67	48	39	9	*	109	100	*	9
MONTANA...............	968	84	66	18	62	44	18	7	113	103	*	10
NEW MEXICO............	3,086	1,356	407	949	175	158	17	97	154	109	*	45
NEVADA................	453	47	24	23	24	24	*	7	76	64	*	12
UTAH..................	2,541	338	232	106	105	86	19	21	173	151	*	22
WYOMING...............	553	29	24	5	11	11	*	*	91	75	*	16
PACIFIC.................	41,727	8,030	4,278	3,752	1,892	1,705	187	598	2,624	1,812	479	333
ALASKA................	407	52	44	8	7	7	*	*	140	87	30	23
CALIFORNIA............	31,855	6,593	3,416	3,177	1,387	1,242	145	530	1,807	1,350	228	229
HAWAII................	1,102	150	77	73	47	47	*	*	118	28	68	22
OREGON................	2,872	330	229	101	157	145	12	24	214	127	77	10
WASHINGTON............	4,734	794	444	350	257	227	30	44	326	201	76	49
U.S. POSSESSIONS......	757	111	68	43	37	37	*	*	19	19	*	*

* NO CASES REPORTED

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-17. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY GEOGRAPHIC DIVISION, STATE, AND FIELD: 1975
CONTINUED

GEOGRAPHIC DIVISION AND STATE	ENGI- NEERS	........LIFE SCIENTISTS........ TOTAL	BIOL. SCI.	AGRIC. SCI.	MEDICAL SCI.	PSY- CHOL- OGISTS	.......SOCIAL SCIENTISTS....... TOTAL	ECON- OMISTS	SOCIO/ ANTHRO.	OTHER	NO REPORT
EAST SOUTH CENTRAL......	1,663	3,698	2,182	849	667	1,235	1,784	481	385	918	16
ALABAMA................	569	869	458	178	233	292	385	110	87	188	9
KENTUCKY...............	199	838	473	244	121	354	488	68	111	309	*
MISSISSIPPI............	240	576	290	201	85	152	252	39	59	154	3
TENNESSEE..............	655	1,415	961	226	228	437	659	264	128	267	4
WEST SOUTH CENTRAL......	3,722	5,228	3,002	1,339	887	1,826	2,072	588	451	1,033	30
ARKANSAS...............	54	462	245	155	62	133	196	75	31	90	6
LOUISIANA..............	589	1,037	496	306	235	211	337	70	100	167	3
OKLAHOMA...............	563	671	352	182	137	222	304	83	64	157	5
TEXAS..................	2,516	3,058	1,909	696	453	1,260	1,235	360	256	619	16
MOUNTAIN................	2,840	4,308	2,579	1,194	535	1,673	1,818	501	475	842	36
ARIZONA................	478	780	409	261	110	354	415	150	95	170	12
COLORADO...............	812	1,262	825	253	184	614	585	144	116	325	9
IDAHO..................	161	364	165	184	15	103	95	28	7	60	*
MONTANA................	90	407	253	134	20	66	136	43	50	43	3
NEW MEXICO.............	631	398	230	102	66	117	156	24	76	56	2
NEVADA.................	59	113	62	27	24	49	78	30	26	22	*
UTAH...................	537	807	531	166	110	273	277	53	88	136	10
WYOMING................	72	177	104	67	6	97	76	29	17	30	*
PACIFIC.................	7,492	10,170	6,449	1,995	1,726	5,311	5,481	1,578	1,201	2,702	129
ALASKA.................	59	107	68	28	11	14	22	*	*	22	6
CALIFORNIA.............	6,291	6,881	4,586	1,044	1,251	4,251	4,033	1,180	819	2,034	82
HAWAII.................	67	396	218	116	62	115	199	28	57	114	10
OREGON.................	194	1,153	644	397	112	378	399	109	144	146	23
WASHINGTON.............	734	1,372	773	366	233	512	687	193	148	346	8
U.S. POSSESSIONS......	147	261	160	44	57	41	141	68	33	40	*

* NO CASES REPORTED

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-18. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND FIELD: 1975

		PHYSICAL SCIENTISTS			...MATH. SCIENTISTS....				ENVIRONMENTAL SCIENTISTS			
LOCATION	TOTAL	TOTAL	CHEM-ISTS	PHYSI-CISTS/ ASTRON.	TOTAL	MATH.	STAT.	COM-PUTER SPECIAL-ISTS	TOTAL	EARTH SCI.	OCEAN.	ATMOS. SCI.
TOTAL,ALL LOCATIONS	277,517	59,267	38,784	20,483	14,542	12,729	1,813	3,662	12,783	10,076	1,353	1,354
TOTAL,SMSA'S	228,327	50,149	32,967	17,182	11,465	10,030	1,435	3,232	10,315	8,150	1,006	1,159
ABILENE,TEX	130	72	53	19	*	*	*	*	5	5	*	*
AKRON,OHIO	1,086	363	349	14	48	43	5	*	46	46	*	*
ALBANY,GA	40	25	20	5	3	3	*	*	*	*	*	*
ALBANY-SCHENECTADY-TROY,N.Y	2,465	759	465	294	141	124	17	64	78	65	*	13
ALBUQUERQUE,N.MEX	1,431	488	161	327	90	73	17	52	53	35	*	18
ALEXANDRIA,LA	46	11	11	*	*	*	*	*	*	*	*	*
ALLENTOWN-BETHLEHEM-EASTON,PA.-N.J	938	204	159	45	67	56	11	*	64	57	7	*
ALTOONA,PA	24	10	2	8	*	*	*	*	*	*	*	*
AMARILLO,TEX	128	17	17	*	*	*	*	*	7	7	*	*
ANAHEIM-SANTA ANA-GARDEN GROVE,CALIF	1,825	313	212	101	92	78	14	32	101	100	*	1
ANCHORAGE,ALASKA	91	13	5	8	7	7	*	*	33	26	*	7
ANDERSON,IND	17	9	9	*	*	*	*	*	*	*	*	*
ANN ARBOR,MICH	2,161	404	204	200	116	94	22	35	94	42	33	19
ANNISTON,ALA	112	20	12	8	9	9	*	*	*	*	*	*
APPLETON-OSHKOSH,WIS	404	173	139	34	23	21	2	*	32	32	*	*
ASHEVILLE,N.C	165	50	39	11	10	10	*	*	9	9	*	*
ATLANTA,GA	2,444	390	208	182	134	107	27	19	59	59	*	*
ATLANTIC CITY,N.J	70	13	13	*	7	7	*	*	*	*	*	*
AUGUSTA,GA.-S.C	325	74	55	19	1	1	*	*	22	22	*	*
AUSTIN,TEX	1,274	269	99	170	76	76	*	34	71	67	4	*
BAKERSFIELD,CALIF	249	77	33	44	1	1	*	4	49	25	*	24
BALTIMORE,MD	2,589	588	305	283	175	149	26	42	29	29	*	*
BATON ROUGE,LA	940	253	217	36	21	21	*	9	57	26	31	*
BATTLE CREEK,MICH	127	*	*	*	20	20	*	*	6	6	*	*
BAY CITY,MICH	18	*	*	*	*	*	*	*	*	*	*	*
BEAUMONT-PORT ARTHUR-ORANGE,TEX	189	83	83	*	*	*	*	*	17	16	1	*
BILLINGS,MONT	93	10	8	2	5	5	*	*	17	17	*	*
BILOXI-GULFPORT,MISS	61	8	8	*	*	*	*	*	*	*	*	*
BINGHAMTON,N.Y.-PA	443	109	97	12	58	58	*	25	9	9	*	*
BIRMINGHAM,ALA	513	73	41	32	31	31	*	8	16	16	*	*
BLOOMINGTON-NORMAL,ILL	246	34	27	7	28	28	*	*	11	11	*	*
BOISE CITY,IDAHO	149	40	20	20	18	9	9	*	38	38	*	*
BOSTON,MASS	8,454	2,058	964	1,094	435	374	61	120	373	294	20	59
BRIDGEPORT,CONN	322	62	38	24	24	24	*	*	*	*	*	*
BRISTOL,CONN	12	12	*	12	*	*	*	*	*	*	*	*
BROCKTON,MASS	73	2	2	*	13	13	*	*	*	*	*	*
BROWNSVILLE-HARLINGEN-SAN BENITO,TEX	12	7	7	*	*	*	*	*	*	*	*	*
BRYAN-COLLEGE STATION,TEX.	1,173	170	144	26	74	71	3	7	95	54	15	26
BUFFALO,N.Y	1,995	460	389	71	139	136	3	8	14	14	*	*
BURLINGTON,N.C	14	*	*	*	*	*	*	*	*	*	*	*
CAGUAS,P.R	11	4	4	*	*	*	*	*	*	*	*	*
CANTON,OHIO	196	49	31	18	5	5	*	9	9	9	*	*
CEDAR RAPIDS,IOWA	104	15	8	7	*	*	*	11	6	6	*	*
CHAMPAIGN-URBANA-RANTOUL,ILL	2,018	246	113	133	97	88	9	41	76	75	*	1
CHARLESTON-NORTH CHARLESTON,S.C	446	87	73	14	46	46	*	*	*	*	*	*
CHARLESTON,W.VA	301	161	161	*	*	*	*	*	*	*	*	*

* NO CASES REPORTED

TABLE B-18. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND FIELD: 1975
CONTINUED

LOCATION	ENGINEERS	LIFE SCIENTISTS TOTAL	LIFE SCIENTISTS BIOL. SCI.	LIFE SCIENTISTS AGRIC. SCI.	LIFE SCIENTISTS MEDICAL SCI.	PSYCHOLOGISTS	SOCIAL SCIENTISTS TOTAL	SOCIAL SCIENTISTS ECONOMISTS	SOCIAL SCIENTISTS SOCIO/ ANTHRO.	SOCIAL SCIENTISTS OTHER	NO REPORT
TOTAL, ALL LOCATIONS	44,425	72,316	43,754	14,277	14,285	31,613	38,251	11,049	8,775	18,427	658
TOTAL, SMSA'S	38,856	56,971	35,141	8,955	12,875	26,041	30,819	9,122	6,795	14,902	479
ABILENE, TEX	*	33	6	27	*	17	3	3	*	*	*
AKRON, OHIO	135	114	81	12	21	81	299	76	80	143	*
ALBANY, GA	*	12	9	*	3	*	*	*	*	*	*
ALBANY-SCHENECTADY-TROY, N.Y	529	463	303	7	153	121	309	64	51	194	1
ALBUQUERQUE, N.MEX	405	173	98	9	66	77	91	12	51	28	2
ALEXANDRIA, LA	*	24	10	14	*	*	11	11	*	*	*
ALLENTOWN-BETHLEHEM-EASTON, PA.-N.J	383	83	60	5	18	42	95	9	36	50	*
ALTOONA, PA	*	2	2	*	*	12	*	*	*	*	*
AMARILLO, TEX	12	57	31	26	*	29	6	*	*	6	*
ANAHEIM-SANTA ANA-GARDEN GROVE, CALIF	454	364	256	32	76	192	277	50	35	192	*
ANCHORAGE, ALASKA	9	13	13	*	*	9	1	*	*	1	6
ANDERSON, IND	*	5	5	*	*	*	3	*	3	*	*
ANN ARBOR, MICH	253	586	417	22	147	290	383	95	65	223	*
ANNISTON, ALA	*	11	5	*	6	23	49	*	12	37	*
APPLETON-OSHKOSH, WIS	54	76	66	*	10	39	7	*	*	7	*
ASHEVILLE, N.C	10	50	25	20	5	15	21	*	9	12	*
ATLANTA, GA	374	731	471	60	200	382	351	118	64	169	4
ATLANTIC CITY, N.J	*	28	18	*	10	4	16	*	*	16	2
AUGUSTA, GA.-S.C	43	136	94	2	40	37	12	*	12	*	*
AUSTIN, TEX	217	217	184	*	33	137	253	53	68	132	*
BAKERSFIELD, CALIF	70	35	4	15	16	13	*	*	*	*	*
BALTIMORE, MD	379	841	594	2	245	271	261	74	90	97	3
BATON ROUGE, LA	243	301	95	172	34	32	21	*	13	8	3
BATTLE CREEK, MICH	*	29	29	*	*	29	43	22	17	4	*
BAY CITY, MICH	*	5	5	*	*	12	1	*	1	*	*
BEAUMONT-PORT ARTHUR-ORANGE, TEX	37	32	19	13	*	19	1	1	*	*	*
BILLINGS, MONT	19	21	5	16	*	11	8	*	8	*	2
BILOXI-GULFPORT, MISS	11	22	11	11	*	20	*	*	*	*	*
BINGHAMTON, N.Y.-PA	80	43	27	*	16	23	93	42	26	25	3
BIRMINGHAM, ALA	39	258	159	*	99	32	52	21	18	13	4
BLOOMINGTON-NORMAL, ILL	*	62	47	15	*	29	78	24	*	54	4
BOISE CITY, IDAHO	8	17	17	*	*	13	15	*	2	13	*
BOSTON, MASS	1,726	1,631	1,186	51	394	991	1,106	327	246	533	14
BRIDGEPORT, CONN	48	44	36	*	8	57	87	48	10	29	*
BRISTOL, CONN	*	*	*	*	*	*	*	*	*	*	*
BROCKTON, MASS	*	7	7	*	*	16	35	12	19	4	*
BROWNSVILLE-HARLINGEN-SAN BENITO, TEX	*	5	*	*	5	*	*	*	*	*	*
BRYAN-COLLEGE STATION, TEX.	243	462	144	271	47	26	96	60	6	30	*
BUFFALO, N.Y	355	540	416	*	124	236	240	20	131	89	3
BURLINGTON, N.C	*	5	5	*	*	*	9	*	*	9	*
CAGUAS, P.R	*	7	*	*	7	*	*	*	*	*	*
CANTON, OHIO	75	21	21	*	*	11	12	*	9	3	5
CEDAR RAPIDS, IOWA	17	15	10	*	5	21	19	*	4	15	*
CHAMPAIGN-URBANA-RANTOUL, ILL	331	647	314	260	73	191	386	103	109	174	3
CHARLESTON-NORTH CHARLESTON, S.C	28	237	154	*	83	25	23	10	13	*	*
CHARLESTON, W.VA	69	28	11	12	5	31	12	*	*	12	*

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* NO CASES REPORTED

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TABLE B-18. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND FIELD: 1975
CONTINUED

LOCATION	TOTAL	PHYSICAL SCIENTISTS TOTAL	CHEM-ISTS	PHYSI-CISTS/ ASTRON.	...MATH. SCIENTISTS.... TOTAL	MATH.	STAT.	COM-PUTER SPECIAL-ISTS	ENVIRONMENTAL SCIENTISTS TOTAL	EARTH SCI.	OCEAN.	ATMOS. SCI.
CHARLOTTE-GASTONIA,N.C....	516	191	175	16	12	12	*	*	*	*	*	*
CHATTANOOGA,TENN.-GA......	234	64	47	17	6	6	*	8	6	6	*	*
CHICAGO,ILL...............	7,997	1,992	1,300	692	379	329	50	124	207	172	14	21
CINCINNATI,OHIO-KY.-IND...	1,532	408	368	40	91	61	30	3	36	36	*	*
CLARKSVILLE- HOPKINSVILLE,TENN.-KY...	30	*	*	*	2	2	*	*	*	*	*	*
CLEVELAND,OHIO............	2,474	811	669	142	61	53	8	36	92	92	*	*
COLORADO SPRINGS,COLO.....	465	91	46	45	57	57	*	16	7	7	*	*
COLUMBIA,MO...............	1,047	76	54	22	49	39	10	*	34	34	*	*
COLUMBIA,S.C..............	471	66	66	*	49	21	28	1	16	16	*	*
COLUMBUS,GA.-ALA..........	55	3	*	3	8	8	*	*	1	1	*	*
COLUMBUS,OHIO.............	2,364	563	393	170	128	112	16	48	99	90	*	9
CORPUS CHRISTI,TEX........	147	47	47	*	*	*	*	*	26	14	12	*
DALLAS-FORT WORTH,TEX.....	2,474	479	262	217	135	113	22	55	253	242	*	11
DANBURY,CONN..............	49	23	21	2	1	1	*	*	*	*	*	*
DAVENPORT-ROCK ISLAND- MOLINE,IOWA-ILL.........	110	13	13	*	13	13	*	*	*	*	*	*
DAYTON,OHIO...............	1,297	321	166	155	46	28	18	46	13	13	*	*
DAYTONA BEACH,FLA.........	106	21	21	*	6	6	*	*	*	*	*	*
DECATUR,ILL...............	76	13	13	*	3	3	*	*	*	*	*	*
DENVER-BOULDER,COLO.......	3,406	553	245	308	186	179	7	42	661	530	2	129
DES MOINES,IOWA...........	240	10	10	*	13	2	11	22	*	*	*	*
DETROIT,MICH..............	2,793	671	463	208	89	87	2	49	44	30	*	14
DUBUQUE,IOWA..............	58	4	4	*	12	12	*	2	6	6	*	*
DULUTH-SUPERIOR,MINN.-WIS.	219	48	20	28	2	2	*	*	*	*	*	*
EL PASO,TEX...............	277	33	31	2	40	40	*	*	29	29	*	*
ELMIRA,N.Y................	31	13	13	*	*	*	*	*	*	*	*	*
ERIE,PA...................	198	53	44	9	4	4	*	*	10	10	*	*
EUGENE-SPRINGFIELD,OREG...	411	33	33	*	41	41	*	*	16	7	*	9
EVANSVILLE,IND.-KY........	243	104	102	2	7	7	*	*	*	*	*	*
FALL RIVER,MASS.-R.I......	18	*	*	*	*	*	*	*	6	*	6	*
FARGO-MOORHEAD,N.DAK-MINN.	515	128	114	14	45	42	3	3	18	18	*	*
FAYETTEVILLE,N.C..........	22	*	*	*	*	*	*	*	*	*	*	*
FAYETTEVILLE- SPRINGDALE,ARK...........	474	52	35	17	41	36	5	5	8	8	*	*
FITCHBURG-LEOMINSTER,MASS.	78	19	19	*	*	*	*	*	*	*	*	*
FLINT,MICH................	146	24	19	5	6	6	*	*	*	*	*	*
FLORENCE,ALA..............	96	8	8	*	6	6	*	*	7	7	*	*
FORT LAUDERDALE- HOLLYWOOD,FLA............	199	19	19	*	*	*	*	6	21	*	21	*
FORT MYERS,FLA............	54	16	16	*	*	*	*	*	*	*	*	*
FORT SMITH,ARK.-OKLA......	9	*	*	*	3	3	*	*	*	*	*	*
FORT WAYNE,IND............	331	28	15	13	24	22	2	*	4	4	*	*
FRESNO,CALIF..............	294	52	34	18	3	2	1	*	*	*	*	*
GADSDEN,ALA...............	*	*	*	*	*	*	*	*	*	*	*	*
GAINESVILLE,FLA...........	1,427	191	101	90	53	28	25	9	65	54	*	11
GALVESTON-TEXAS CITY,TEX..	371	67	44	23	*	*	*	*	19	10	9	*
GARY-HAMMOND- EAST CHICAGO,IND........	308	32	32	*	3	3	*	*	6	6	*	*
GRAND RAPIDS,MICH.........	320	42	34	8	19	19	*	*	11	11	*	*
GREAT FALLS,MONT..........	20	*	*	*	*	*	*	*	*	*	*	*
GREEN BAY,WIS.............	133	15	5	10	7	*	7	*	29	20	9	*
GREENSBORO-WINSTON-SALEM- HIGH POINT,N.C..........	778	195	163	32	45	37	8	10	20	20	*	*

* NO CASES REPORTED

TABLE B-18. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND FIELD: 1975
CONTINUED

		......LIFE SCIENTISTS........				PSY-	......SOCIAL SCIENTISTS.......				
LOCATION	ENGI-NEERS	TOTAL	BIOL. SCI.	AGRIC. SCI.	MEDICAL SCI.	CHOL-OGISTS	TOTAL	ECON-OMISTS	SOCIO/ ANTHRO.	OTHER	NO REPORT
CHARLOTTE-GASTONIA,N.C	44	64	42	12	10	70	135	26	23	86	*
CHATTANOOGA,TENN.-GA	50	32	32	*	*	8	60	24	19	17	*
CHICAGO,ILL	1,332	2,078	1,245	190	643	831	1,037	318	287	432	17
CINCINNATI,OHIO-KY.-IND	207	482	329	34	119	166	138	12	3	123	1
CLARKSVILLE-HOPKINSVILLE,TENN.-KY	*	13	13	*	*	15	*	*	*	*	*
CLEVELAND,OHIO	589	399	231	24	144	304	180	97	22	61	2
COLORADO SPRINGS,COLO	105	46	40	6	*	92	46	24	*	22	5
COLUMBIA,MO	152	531	251	252	28	85	120	36	23	61	*
COLUMBIA,S.C	46	85	44	7	34	83	125	27	18	80	*
COLUMBUS,GA.-ALA	*	20	14	*	6	*	23	23	*	*	*
COLUMBUS,OHIO	343	670	335	190	145	157	351	96	89	166	5
CORPUS CHRISTI,TEX	38	17	17	*	*	9	10	*	10	*	*
DALLAS-FORT WORTH,TEX	619	400	302	48	50	283	250	82	53	115	*
DANBURY,CONN	9	*	*	*	*	16	*	*	*	*	*
DAVENPORT-ROCK ISLAND-MOLINE,IOWA-ILL	37	16	9	*	7	18	12	*	*	12	1
DAYTON,OHIO	434	176	125	*	51	133	125	51	3	71	3
DAYTONA BEACH,FLA	11	19	13	*	6	12	32	12	20	*	5
DECATUR,ILL	*	32	5	27	*	28	*	*	*	*	*
DENVER-BOULDER,COLO	535	667	509	21	137	415	344	77	75	192	3
DES MOINES,IOWA	*	110	67	27	16	36	49	20	7	22	*
DETROIT,MICH	710	503	367	5	131	445	278	74	52	152	4
DUBUQUE,IOWA	*	11	11	*	*	10	13	13	*	*	*
DULUTH-SUPERIOR,MINN.-WIS.	12	68	48	11	9	46	43	13	3	27	*
EL PASO,TEX	41	61	41	20	*	27	46	12	8	26	*
ELMIRA,N.Y	*	4	4	*	*	*	14	*	*	14	*
ERIE,PA	22	34	23	*	11	29	43	*	*	43	3
EUGENE-SPRINGFIELD,OREG	*	84	73	*	11	99	137	49	52	36	1
EVANSVILLE,IND.-KY	12	76	36	5	35	29	13	3	*	10	2
FALL RIVER,MASS.-R.I	12	*	*	*	*	*	*	*	*	*	*
FARGO-MOORHEAD,N.DAK-MINN.	30	228	99	126	3	15	48	18	12	18	*
FAYETTEVILLE,N.C	11	*	*	*	*	*	9	*	*	9	2
FAYETTEVILLE-SPRINGDALE,ARK	52	187	97	84	6	29	100	27	21	52	*
FITCHBURG-LEOMINSTER,MASS.	11	22	14	*	8	23	3	3	*	*	*
FLINT,MICH	56	26	14	*	12	22	12	*	*	12	*
FLORENCE,ALA	12	42	25	17	*	10	11	11	*	*	*
FORT LAUDERDALE-HOLLYWOOD,FLA	40	46	5	*	41	64	*	*	*	*	3
FORT MYERS,FLA	2	24	*	24	*	7	*	*	*	*	5
FORT SMITH,ARK.-OKLA	*	6	*	6	*	*	*	*	*	*	*
FORT WAYNE,IND	92	69	17	52	*	49	61	*	17	44	4
FRESNO,CALIF	14	103	66	35	2	46	76	14	16	46	*
GADSDEN,ALA	*	*	*	*	*	*	*	*	*	*	*
GAINESVILLE,FLA	253	652	282	235	135	88	110	53	9	48	6
GALVESTON-TEXAS CITY,TEX	49	182	120	11	51	44	10	*	10	*	*
GARY-HAMMOND-EAST CHICAGO,IND	118	73	63	5	5	47	29	*	17	12	*
GRAND RAPIDS,MICH	44	76	65	*	11	50	78	11	39	28	*
GREAT FALLS,MONT	*	5	5	*	*	15	*	*	*	*	*
GREEN BAY,WIS	*	43	30	13	*	13	26	*	20	6	*
GREENSBORO-WINSTON-SALEM-HIGH POINT,N.C	89	149	91	28	30	119	151	28	37	86	*

* NO CASES REPORTED

TABLE B-18. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND FIELD: 1975
CONTINUED

		PHYSICAL SCIENTISTS			...MATH. SCIENTISTS....			COMPUTER SPECIALISTS	ENVIRONMENTAL SCIENTISTS			
LOCATION	TOTAL	TOTAL	CHEMISTS	PHYSICISTS/ ASTRON.	TOTAL	MATH.	STAT.		TOTAL	EARTH SCI.	OCEAN.	ATMOS. SCI.
GREENVILLE-SPARTANBURG,S.C	799	202	165	37	71	61	10	16	27	27	*	*
HAMILTON-MIDDLETOWN,OHIO	351	45	45	*	42	42	*	*	24	24	*	*
HARRISBURG,PA	442	36	30	6	57	52	5	3	36	36	*	*
HARTFORD,CONN	948	166	82	84	43	42	1	5	18	3	9	6
HONOLULU,HAWAII	1,026	111	60	51	44	44	*	*	111	28	68	15
HOUSTON,TEX	3,499	708	531	177	85	73	12	39	463	452	*	11
HUNTINGTON-ASHLAND, W.VA.-KY.-OHIO	153	32	32	*	15	15	*	*	*	*	*	*
HUNTSVILLE,ALA	476	152	59	93	*	*	*	32	1	*	*	1
INDIANAPOLIS,IND	1,238	339	300	39	67	58	9	3	*	*	*	*
JACKSON,MICH	24	2	*	2	*	*	*	*	*	*	*	*
JACKSON,MISS	261	78	58	20	17	17	*	*	*	*	*	*
JACKSONVILLE,FLA	247	45	45	*	21	16	5	8	*	*	*	*
JERSEY CITY,N.J	250	81	66	15	11	11	*	*	11	10	1	*
JOHNSTOWN,PA	50	3	3	*	11	11	*	*	*	*	*	*
KALAMAZOO-PORTAGE,MICH	877	305	268	37	65	55	10	*	24	24	*	*
KANKAKEE,ILL	58	19	7	12	*	*	*	*	*	*	*	*
KANSAS CITY,MO.-KANS	777	170	167	3	31	31	*	19	23	23	*	*
KENOSHA,WIS	125	2	1	1	32	32	*	*	*	*	*	*
KILLEEN-TEMPLE,TEX	38	*	*	*	*	*	*	*	*	*	*	*
KINGSPORT-BRISTOL,TENN-VA.	249	190	190	*	4	4	*	*	12	12	*	*
KNOXVILLE,TENN	1,680	391	162	229	98	63	35	20	61	54	*	7
LA CROSSE,WIS	110	27	27	*	20	20	*	*	*	*	*	*
LAFAYETTE,LA	192	7	*	7	28	19	9	10	7	7	*	*
LAFAYETTE-WEST LAFAYETTE,IND	1,356	168	109	59	98	91	7	12	37	28	9	*
LAKE CHARLES,LA	79	16	16	*	1	1	*	*	5	5	*	*
LAKELAND-WINTER HAVEN,FLA	73	8	8	*	*	*	*	*	*	*	*	*
LANCASTER,PA	299	102	71	31	12	12	*	*	17	17	*	*
LANSING-EAST LANSING,MICH.	1,632	143	81	62	123	108	15	11	28	28	*	*
LAREDO,TEX	11	*	*	*	*	*	*	*	*	*	*	*
LAS VEGAS,NEV	178	33	10	23	14	14	*	*	21	21	*	*
LAWRENCE-HAVERHILL,MASS-N.H	146	22	22	*	*	*	*	12	15	15	*	*
LAWTON,OKLA	24	5	5	*	6	6	*	*	*	*	*	*
LEWISTON-AUBURN,MAINE	75	7	7	*	9	9	*	*	*	*	*	*
LEXINGTON-FAYETTE,KY	1,026	65	54	11	76	53	23	8	21	21	*	*
LIMA,OHIO	65	18	9	9	*	*	*	*	*	*	*	*
LINCOLN,NEBR	729	72	59	13	30	30	*	30	64	64	*	*
LITTLE ROCK-NORTH LITTLE ROCK,ARK	268	42	42	*	7	7	*	*	5	5	*	*
LONG BRANCH-ASBURY PARK,N.J	855	158	60	98	52	47	5	44	6	*	6	*
LORAIN-ELYRIA,OHIO	130	39	32	7	*	*	*	*	2	2	*	*
LOS ANGELES-LONG BEACH,CALIF	9,189	1,603	743	860	411	393	18	151	391	291	22	78
LOUISVILLE,KY.-IND	647	130	102	28	29	29	*	7	*	*	*	*
LOWELL,MASS.-N.H	329	136	48	88	6	6	*	10	*	*	*	*
LUBBOCK,TEX	547	56	43	13	56	37	19	*	17	17	*	*
LYNCHBURG,VA	154	19	8	11	9	9	*	*	8	8	*	*
MACON,GA	61	*	*	*	10	10	*	*	*	*	*	*
MADISON,WIS	2,243	336	168	168	81	79	2	21	118	98	*	20

* NO CASES REPORTED

TABLE B-18. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND FIELD: 1975
CONTINUED

LOCATION	ENGI-NEERS	........LIFE SCIENTISTS........				PSY-CHOL-OGISTS	......SOCIAL SCIENTISTS.......				NO REPORT
		TOTAL	BIOL. SCI.	AGRIC. SCI.	MEDICAL SCI.		TOTAL	ECON-OMISTS	SOCIO/ ANTHRO.	OTHER	
GREENVILLE-SPARTANBURG,S.C..........	147	223	89	124	10	51	59	29	9	21	3
HAMILTON-MIDDLETOWN,OHIO..	46	55	55	*	*	44	95	24	37	34	*
HARRISBURG,PA.............	36	148	109	5	34	54	70	12	14	44	2
HARTFORD,CONN.............	263	208	134	27	47	138	107	40	22	45	*
HONOLULU,HAWAII...........	79	375	204	109	62	99	197	28	55	114	10
HOUSTON,TEX...............	1,024	748	545	28	175	229	202	83	10	109	1
HUNTINGTON-ASHLAND, W,VA.-KY.-OHIO..........	10	21	21	*	*	33	42	10	*	32	*
HUNTSVILLE,ALA............	245	28	27	*	1	13	5	5	*	*	*
INDIANAPOLIS,IND..........	138	465	230	59	176	165	56	12	28	16	5
JACKSON,MICH..............	7	6	*	*	6	9	*	*	*	*	*
JACKSON,MISS..............	8	117	73	*	44	19	22	*	2	20	*
JACKSONVILLE,FLA..........	12	46	22	5	19	51	60	13	10	37	4
JERSEY CITY,N.J...........	24	47	31	*	16	24	51	29	11	11	1
JOHNSTOWN,PA..............	*	5	5	*	*	17	14	*	12	2	*
KALAMAZOO-PORTAGE,MICH....	48	299	165	16	118	47	79	6	25	48	10
KANKAKEE,ILL..............	8	28	11	*	17	*	3	*	3	*	*
KANSAS CITY,MO.-KANS......	87	291	98	56	137	90	64	24	6	34	2
KENOSHA,WIS...............	*	28	28	*	*	*	63	24	29	10	*
KILLEEN-TEMPLE,TEX........	11	24	9	15	*	3	*	*	*	*	*
KINGSPORT-BRISTOL,TENN-VA.	19	6	*	*	6	1	17	*	17	*	*
KNOXVILLE,TENN............	336	495	305	169	21	74	202	77	23	102	3
LA CROSSE,WIS.............	*	47	47	*	*	7	9	*	9	*	*
LAFAYETTE,LA..............	38	25	15	10	*	28	49	10	33	6	*
LAFAYETTE-WEST LAFAYETTE,IND......	306	539	285	193	61	88	108	41	50	17	*
LAKE CHARLES,LA...........	19	22	20	2	*	16	*	*	*	*	*
LAKELAND-WINTER HAVEN,FLA........	18	44	4	39	1	3	*	*	*	*	*
LANCASTER,PA..............	29	55	39	16	*	28	56	10	*	46	*
LANSING-EAST LANSING,MICH.	113	741	326	306	109	197	273	60	66	147	3
LAREDO,TEX................	*	*	*	*	*	*	11	*	*	11	*
LAS VEGAS,NEV.............	22	32	16	*	16	17	39	28	*	11	*
LAWRENCE-HAVERHILL,MASS-N.H......	71	10	10	*	*	16	*	*	*	*	*
LAWTON,OKLA...............	*	9	9	*	*	*	4	*	*	4	*
LEWISTON-AUBURN,MAINE.....	*	*	*	*	*	50	9	*	9	*	*
LEXINGTON-FAYETTE,KY......	102	474	216	193	65	108	172	36	54	82	*
LIMA,OHIO.................	*	35	*	30	5	*	12	*	12	*	*
LINCOLN,NEBR..............	105	319	107	194	18	35	74	2	14	58	*
LITTLE ROCK-NORTH LITTLE ROCK,ARK...	*	148	69	36	43	21	45	26	*	19	*
LONG BRANCH-ASBURY PARK,N.J..........	459	49	19	19	11	64	23	3	*	20	*
LORAIN-ELYRIA,OHIO........	*	22	22	*	*	42	25	*	15	10	*
LOS ANGELES-LONG BEACH,CALIF........	2,190	1,599	1,094	73	432	1,572	1,239	473	255	511	33
LOUISVILLE,KY.-IND........	73	202	135	12	55	113	93	5	15	73	*
LOWELL,MASS.-N.H..........	99	44	*	*	44	22	12	2	*	10	*
LUBBOCK,TEX...............	117	184	88	74	22	49	68	22	21	25	*
LYNCHBURG,VA..............	75	32	32	*	*	1	10	4	6	*	*
MACON,GA..................	*	26	16	10	*	15	10	10	*	*	*
MADISON,WIS...............	227	892	544	249	99	200	365	52	35	278	3

* NO CASES REPORTED

TABLE B-18. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND FIELD: 1975
CONTINUED

LOCATION	TOTAL	PHYSICAL SCIENTISTS			...MATH. SCIENTISTS....			COMPUTER SPECIALISTS	ENVIRONMENTAL SCIENTISTS			
		TOTAL	CHEMISTS	PHYSICISTS/ ASTRON.	TOTAL	MATH.	STAT.		TOTAL	EARTH SCI.	OCEAN.	ATMOS. SCI.
MANCHESTER,N.H	61	21	19	2	*	*	*	*	*	*	*	*
MANSFIELD,OHIO	22	17	9	8	*	*	*	*	*	*	*	*
MAYAGUEZ,P.R	173	11	2	9	16	16	*	*	8	8	*	*
MC ALLEN-PHARR-EDINBURG,TEX	114	23	8	15	*	*	*	7	*	*	*	*
MELBOURNE-TITUSVILLE-COCOA,FLA	177	37	10	27	16	16	*	8	*	*	*	*
MEMPHIS,TENN.-ARK.-MISS	736	87	75	12	40	32	8	*	33	33	*	*
MERIDEN,CONN	27	*	*	*	9	9	*	*	*	*	*	*
MIAMI,FLA	1,173	135	91	44	24	18	6	11	110	93	17	*
MIDLAND,TEX	17	*	*	*	*	*	*	*	17	17	*	*
MILWAUKEE,WIS	1,147	117	66	51	95	84	11	13	11	11	*	*
MINNEAPOLIS-ST. PAUL,MINN.-WIS	3,359	754	575	179	166	165	1	82	55	46	*	9
MOBILE,ALA	276	34	11	23	29	29	*	*	21	8	13	*
MODESTO,CALIF	188	64	52	12	9	9	*	*	*	*	*	*
MONROE,LA	136	25	25	*	22	15	7	*	11	11	*	*
MONTGOMERY,ALA	160	20	20	*	11	11	*	*	*	*	*	*
MUNCIE,IND	186	33	21	12	10	10	*	*	18	18	*	*
MUSKEGON-MUSKEGON HEIGHTS,MICH	39	12	12	*	7	7	*	*	*	*	*	*
NASHUA,N.H	48	22	11	11	*	*	*	*	*	*	*	*
NASHVILLE-DAVIDSON,TENN	1,136	157	109	48	88	88	*	*	16	16	*	*
NASSAU-SUFFOLK,N.Y	2,438	592	330	262	94	94	*	51	102	56	46	*
NEW BEDFORD,MASS	168	45	28	17	8	8	*	*	*	*	*	*
NEW BRITAIN,CONN	142	4	3	1	9	9	*	*	*	*	*	*
NEW BRUNSWICK-PERTH AMBOY-SAYREVILLE,N.J	1,605	412	328	84	94	81	13	75	10	10	*	*
NEW HAVEN-WEST HAVEN,CONN.	1,528	236	136	100	73	73	*	11	27	12	15	*
NEW LONDON-NORWICH,CONN.-R.I	363	130	115	15	21	21	*	*	8	*	8	*
NEW ORLEANS,LA	1,166	169	135	34	78	66	12	*	74	65	9	*
NEW YORK,N.Y.-N.J	13,139	2,654	1,852	802	746	705	41	181	356	262	56	38
NEWARK,N.J	5,134	1,850	1,597	253	95	86	9	103	109	98	*	11
NEWPORT NEWS-HAMPTON,VA	648	161	71	90	58	56	2	*	91	43	33	15
NORFOLK-VIRGINIA BEACH-PORTSMOUTH,VA.-N.C	411	92	46	46	25	25	*	*	18	7	11	*
NORTHEAST PENNSYLVANIA	245	76	45	31	18	18	*	*	8	8	*	*
NORWALK,CONN	117	27	20	7	*	*	*	*	9	9	*	*
ODESSA,TEX	57	11	11	*	*	*	*	*	20	20	*	*
OKLAHOMA CITY,OKLA	799	82	75	7	47	47	*	1	52	39	*	13
OMAHA,NEBR.-IOWA	562	57	57	*	36	22	14	*	9	9	*	*
ORLANDO,FLA	419	84	27	57	22	15	7	17	*	*	*	*
OWENSBORO,KY	27	*	*	*	*	*	*	*	*	*	*	*
OXNARD-SIMI VALLEY-VENTURA,CALIF	360	149	54	95	31	29	2	11	*	*	*	*
PARKERSBURG-MARIETTA,W.VA.-OHIO	67	54	41	13	*	*	*	*	*	*	*	*
PATERSON-CLIFTON-PASSAIC,N.J	291	116	90	26	3	3	*	1	14	14	*	*
PENSACOLA,FLA	156	33	33	*	19	8	11	*	*	*	*	*
PEORIA,ILL	227	50	50	*	20	20	*	*	9	9	*	*
PETERSBURG-COLONIAL HGTS.-HOPEWELL,VA	83	18	18	*	9	9	*	8	8	8	*	*
PHILADELPHIA,PA.-N.J	7,039	1,825	1,515	310	271	216	55	153	95	95	*	*
PHOENIX,ARIZ	1,005	160	101	59	43	41	2	*	65	65	*	*

* NO CASES REPORTED

TABLE B-18. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND FIELD: 1975
CONTINUED

LOCATION	ENGINEERS	LIFE SCIENTISTS TOTAL	BIOL. SCI.	AGRIC. SCI.	MEDICAL SCI.	PSYCHOLOGISTS	SOCIAL SCIENTISTS TOTAL	ECONOMISTS	SOCIO/ ANTHRO.	OTHER	NO REPORT
MANCHESTER,N.H.............	*	11	11	*	*	*	26	*	*	26	3
MANSFIELD,OHIO............	*	5	5	*	*	*	*	*	*	*	*
MAYAGUEZ,P.R..............	91	31	14	5	12	*	16	11	*	5	*
MC ALLEN-PHARR- EDINBURG,TEX............	*	67	45	22	*	*	14	*	*	14	3
MELBOURNE-TITUSVILLE- COCOA,FLA...............	101	5	*	*	5	10	*	*	*	*	*
MEMPHIS,TENN.-ARK.-MISS...	72	352	222	13	117	64	88	29	21	38	*
MERIDEN,CONN..............	*	*	*	*	*	18	*	*	*	*	*
MIAMI,FLA.................	124	434	263	24	147	160	164	49	29	86	11
MIDLAND,TEX...............	*	*	*	*	*	*	*	*	*	*	*
MILWAUKEE,WIS.............	265	301	182	18	101	111	234	37	67	130	*
MINNEAPOLIS- ST. PAUL,MINN.-WIS......	360	1,250	596	350	304	433	252	54	97	101	7
MOBILE,ALA................	22	111	71	6	34	34	25	2	*	23	*
MODESTO,CALIF.............	*	58	53	*	5	71	24	12	5	7	2
MONROE,LA.................	*	34	11	5	18	8	36	12	*	24	*
MONTGOMERY,ALA............	23	9	4	*	5	51	46	*	19	27	*
MUNCIE,IND................	*	31	26	*	5	22	72	38	4	30	*
MUSKEGON- MUSKEGON HEIGHTS,MICH...	9	*	*	*	*	9	2	2	*	*	*
NASHUA,N.H................	9	6	6	*	*	*	11	*	*	11	*
NASHVILLE-DAVIDSON,TENN...	94	396	297	22	77	230	155	70	36	49	*
NASSAU-SUFFOLK,N.Y........	364	429	325	6	98	577	216	29	101	86	13
NEW BEDFORD,MASS..........	28	40	40	*	*	23	24	10	10	4	*
NEW BRITAIN,CONN..........	20	48	36	*	12	13	48	27	*	21	*
NEW BRUNSWICK-PERTH AMBOY- SAYREVILLE,N.J..........	144	545	263	140	142	137	187	57	36	94	1
NEW HAVEN-WEST HAVEN,CONN.	121	548	378	56	114	213	294	59	102	133	5
NEW LONDON- NORWICH,CONN.-R.I.......	56	77	50	*	27	14	56	21	22	13	1
NEW ORLEANS,LA............	169	420	255	12	153	101	155	22	50	83	*
NEW YORK,N.Y.-N.J.........	1,290	3,013	1,943	148	922	2,471	2,392	716	585	1,091	36
NEWARK,N.J................	1,366	867	475	91	301	444	297	102	91	104	3
NEWPORT NEWS-HAMPTON,VA...	134	52	52	*	*	38	113	12	26	75	1
NORFOLK-VIRGINIA BEACH- PORTSMOUTH,VA.-N.C......	64	93	60	24	9	68	51	24	7	20	*
NORTHEAST PENNSYLVANIA....	18	58	47	*	11	36	28	*	9	19	3
NORWALK,CONN..............	30	13	5	*	8	22	16	*	4	12	*
ODESSA,TEX................	*	11	11	*	*	6	9	*	9	*	*
OKLAHOMA CITY,OKLA........	135	227	143	*	84	102	151	22	32	97	2
OMAHA,NEBR.-IOWA..........	34	286	155	16	115	73	67	12	19	36	*
ORLANDO,FLA...............	84	103	75	26	2	54	49	14	12	23	6
OWENSBORO,KY..............	9	5	5	*	*	10	3	*	3	*	*
OXNARD-SIMI VALLEY- VENTURA,CALIF...........	65	22	7	9	6	72	10	*	*	10	*
PARKERSBURG- MARIETTA,W.VA.-OHIO.....	*	*	*	*	*	1	12	*	*	12	*
PATERSON-CLIFTON- PASSAIC,N.J.............	84	48	42	*	6	7	18	12	6	*	*
PENSACOLA,FLA.............	16	40	34	6	*	46	2	2	*	*	*
PEORIA,ILL................	60	65	40	15	10	8	15	11	*	4	*
PETERSBURG-COLONIAL HGTS.- HOPEWELL,VA..............	*	25	13	12	*	6	9	9	*	*	*
PHILADELPHIA,PA.-N.J......	910	2,035	1,256	152	627	930	807	297	196	314	13
PHOENIX,ARIZ..............	254	168	100	52	16	173	136	36	28	72	6

* NO CASES REPORTED

TABLE B-18. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND FIELD: 1975
CONTINUED

		PHYSICAL SCIENTISTS			...MATH. SCIENTISTS....			COMPUTER SPECIALISTS	ENVIRONMENTAL SCIENTISTS			
LOCATION	TOTAL	TOTAL	CHEMISTS	PHYSICISTS/ ASTRON.	TOTAL	MATH.	STAT.		TOTAL	EARTH SCI.	OCEAN.	ATMOS. SCI.
PINE BLUFF,ARK	32	*	*	*	*	*	*	*	*	*	*	*
PITTSBURGH,PA	3,634	777	480	297	111	95	16	33	151	111	12	28
PITTSFIELD,MASS	112	10	10	*	*	*	*	*	*	*	*	*
PONCE,P.R	21	2	2	*	*	*	*	*	*	*	*	*
PORTLAND,MAINE	113	37	26	11	2	2	*	*	9	9	*	*
PORTLAND,OREG.-WASH	989	121	88	33	39	37	2	18	40	39	*	1
POUGHKEEPSIE,N.Y	639	149	110	39	16	16	*	21	15	15	*	*
PROVIDENCE-WARWICK-PAWTUCKET,R.I.-MASS	1,319	280	204	76	103	97	6	20	82	44	38	*
PROVO-OREM,UTAH	543	121	75	46	25	18	7	9	14	14	*	*
PUEBLO,COLO	81	9	8	1	2	2	*	*	*	*	*	*
RACINE,WIS	82	18	18	*	*	*	*	*	*	*	*	*
RALEIGH-DURHAM,N.C	3,201	432	310	122	184	156	28	31	129	60	21	48
READING,PA	232	48	34	14	32	32	*	11	*	*	*	*
RENO,NEV	270	14	14	*	10	10	*	7	55	43	*	12
RICHLAND-KENNEWICK,WASH	586	95	56	39	11	*	11	*	50	32	*	18
RICHMOND,VA	943	179	150	29	56	35	21	15	50	50	*	*
RIVERSIDE-SAN BERNARDINO-ONTARIO,CALIF	994	130	111	19	57	42	15	*	36	22	*	14
ROANOKE,VA	225	43	34	9	27	17	10	6	9	9	*	*
ROCHESTER,MINN	154	4	4	*	2	*	2	*	*	*	*	*
ROCHESTER,N.Y	2,311	918	666	252	154	146	8	21	37	37	*	*
ROCKFORD,ILL	32	13	11	2	*	*	*	*	*	*	*	*
SACRAMENTO,CALIF	1,561	157	128	29	58	58	*	2	46	40	*	6
SAGINAW,MICH	27	9	9	*	*	*	*	*	*	*	*	*
ST. CLOUD,MINN	126	15	14	1	26	26	*	*	*	*	*	*
ST. JOSEPH,MO	46	13	13	*	*	*	*	*	*	*	*	*
ST. LOUIS,MO.-ILL	2,488	676	583	93	99	75	24	12	84	52	*	32
SALEM,OREG	154	15	10	5	*	*	*	*	*	*	*	*
SALINAS-SEASIDE-MONTEREY,CALIF	401	54	17	37	50	34	16	7	46	15	25	6
SALT LAKE CITY-OGDEN,UTAH	1,470	210	160	50	41	29	12	12	101	90	*	11
SAN ANGELO,TEX	76	39	10	29	9	9	*	*	*	*	*	*
SAN ANTONIO,TEX	676	57	39	18	46	37	9	*	33	33	*	*
SAN DIEGO,CALIF	2,802	552	280	272	156	154	2	25	257	140	107	10
SAN FRANCISCO-OAKLAND,CALIF	7,315	1,976	1,124	852	224	188	36	107	588	523	29	36
SAN JOSE,CALIF	3,885	912	357	555	162	124	38	122	148	103	*	45
SAN JUAN,P.R	318	52	29	23	20	20	*	*	*	*	*	*
SANTA BARBARA-SANTA MARIA-LOMPOC,CALIF	734	217	53	164	24	24	*	14	63	34	20	9
SANTA CRUZ,CALIF	318	45	16	29	18	18	*	2	23	14	9	*
SANTA ROSA,CALIF	145	27	17	10	*	*	*	9	5	5	*	*
SARASOTA,FLA	174	26	16	10	17	17	*	*	20	14	6	*
SAVANNAH,GA	165	41	31	10	10	10	*	*	15	9	6	*
SEATTLE-EVERETT,WASH	2,282	437	205	232	103	100	3	32	154	67	56	31
SHERMAN-DENISON,TEX	39	19	11	8	*	*	*	*	*	*	*	*
SHREVEPORT,LA	136	37	23	14	14	14	*	*	*	*	*	*
SIOUX CITY,IOWA-NEBR	19	2	2	*	*	*	*	*	*	*	*	*
SIOUX FALLS,S.DAK	27	1	*	1	6	6	*	*	*	*	*	*
SOUTH BEND,IND	369	83	42	41	34	31	3	*	1	1	*	*
SPOKANE,WASH	193	36	26	10	9	9	*	*	43	43	*	*
SPRINGFIELD,ILL	221	38	38	*	15	15	*	4	8	8	*	*
SPRINGFIELD,MO	152	16	16	*	13	13	*	*	*	*	*	*

* NO CASES REPORTED

TABLE B-18. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND FIELD: 1975
CONTINUED

LOCATION	ENGI- NEERS	.......LIFE SCIENTISTS........				PSY- CHOL- OGISTS	......SOCIAL SCIENTISTS.......				NO REPORT
		TOTAL	BIOL. SCI.	AGRIC. SCI.	MEDICAL SCI.		TOTAL	ECON- OMISTS	SOCIO/ ANTHRO.	OTHER	
PINE BLUFF,ARK.............	2	30	20	5	5	*	*	*	*	*	*
PITTSBURGH,PA..............	1,348	516	402	16	98	322	375	87	70	218	1
PITTSFIELD,MASS............	79	4	4	*	*	19	*	*	*	*	*
PONCE,P.R..................	*	*	*	*	*	*	19	19	*	*	*
PORTLAND,MAINE.............	15	20	12	*	8	*	30	23	7	*	*
PORTLAND,OREG.-WASH........	102	409	280	43	86	128	116	27	42	47	16
POUGHKEEPSIE,N.Y...........	243	48	37	*	11	111	36	11	*	25	*
PROVIDENCE-WARWICK- PAWTUCKET,R.I.-MASS.....	160	306	212	35	59	129	233	21	63	149	6
PROVO-OREM,UTAH............	100	135	101	33	1	58	78	12	9	57	3
PUEBLO,COLO................	25	14	5	*	9	8	23	18	*	5	*
RACINE,WIS.................	9	45	16	17	12	7	3	*	*	3	*
RALEIGH-DURHAM,N.C.........	432	1,395	885	283	227	212	380	79	116	185	6
READING,PA.................	87	13	10	*	3	41	*	*	*	*	*
RENO,NEV...................	37	76	41	27	8	32	39	2	26	11	*
RICHLAND-KENNEWICK,WASH....	295	117	89	28	*	18	*	*	*	*	*
RICHMOND,VA................	121	338	204	13	121	42	136	60	34	42	6
RIVERSIDE-SAN BERNARDINO- ONTARIO,CALIF............	47	388	231	110	47	144	192	66	46	80	*
ROANOKE,VA.................	30	38	33	*	5	27	43	33	*	10	2
ROCHESTER,MINN.............	*	125	54	*	71	23	*	*	*	*	*
ROCHESTER,N.Y..............	247	487	330	80	77	246	201	43	55	103	*
ROCKFORD,ILL...............	11	*	*	*	*	8	*	*	*	*	*
SACRAMENTO,CALIF...........	122	796	473	213	110	176	204	61	27	116	*
SAGINAW,MICH...............	18	*	*	*	*	*	*	*	*	*	*
ST. CLOUD,MINN.............	1	17	17	*	*	46	18	*	18	*	3
ST. JOSEPH,MO..............	*	17	17	*	*	5	11	*	*	11	*
ST. LOUIS,MO.-ILL..........	332	727	480	107	140	197	360	118	101	141	1
SALEM,OREG.................	*	41	29	12	*	48	50	22	9	19	*
SALINAS-SEASIDE- MONTEREY,CALIF...........	84	62	41	16	5	58	39	26	*	13	1
SALT LAKE CITY-OGDEN,UTAH.	321	446	274	73	99	193	146	31	71	44	*
SAN ANGELO,TEX.............	*	12	12	*	*	12	4	*	*	4	*
SAN ANTONIO,TEX............	33	189	131	*	58	205	111	34	39	38	2
SAN DIEGO,CALIF............	496	550	452	21	77	517	240	13	47	180	9
SAN FRANCISCO- OAKLAND,CALIF............	1,168	1,670	1,145	215	310	714	858	257	205	396	10
SAN JOSE,CALIF.............	1,353	542	407	11	124	242	392	73	69	250	12
SAN JUAN,P.R...............	24	134	87	19	28	13	75	38	2	35	*
SANTA BARBARA-SANTA MARIA- LOMPOC,CALIF.............	87	121	81	23	17	107	99	15	50	34	2
SANTA CRUZ,CALIF...........	16	91	57	34	*	53	69	23	3	43	1
SANTA ROSA,CALIF...........	*	35	27	8	*	15	54	*	22	32	*
SARASOTA,FLA...............	23	58	58	*	*	23	7	*	*	7	*
SAVANNAH,GA................	11	63	58	5	*	11	14	7	*	7	*
SEATTLE-EVERETT,WASH.......	353	616	390	39	187	207	376	77	61	238	4
SHERMAN-DENISON,TEX........	*	*	*	*	*	10	10	*	*	10	*
SHREVEPORT,LA..............	*	62	45	*	17	*	23	12	*	11	*
SIOUX CITY,IOWA-NEBR.......	*	*	*	*	*	6	11	*	11	*	*
SIOUX FALLS,S.DAK..........	*	8	8	*	*	*	12	12	*	*	*
SOUTH BEND,IND.............	67	62	52	*	10	60	62	17	27	18	*
SPOKANE,WASH...............	2	33	3	19	11	36	34	24	10	*	*
SPRINGFIELD,ILL............	8	41	29	*	12	9	98	30	13	55	*
SPRINGFIELD,MO.............	*	43	38	5	*	37	41	2	19	20	2

* NO CASES REPORTED

TABLE B-18. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND FIELD: 1975
CONTINUED

		PHYSICAL SCIENTISTS			...MATH. SCIENTISTS....			COM- PUTER	ENVIRONMENTAL SCIENTISTS			
LOCATION	TOTAL	TOTAL	CHEM- ISTS	PHYSI- CISTS/ ASTRON.	TOTAL	MATH.	STAT.	SPECIAL- ISTS	TOTAL	EARTH SCI.	OCEAN.	ATMOS. SCI.
SPRINGFIELD,OHIO..........	101	39	32	7	6	6	*	*	1	1	*	*
SPRINGFIELD-CHICOPEE- HOLYOKE,MASS.-CONN......	456	130	104	26	13	13	*	*	15	15	*	*
STAMFORD,CONN............	466	300	280	20	2	2	*	2	5	5	*	*
STEUBENVILLE- WEIRTON,OHIO-W.VA.......	27	*	*	*	*	*	*	*	*	*	*	*
STOCKTON,CALIF...........	164	64	55	9	8	8	*	*	*	*	*	*
SYRACUSE,N.Y..............	1,326	211	156	55	85	79	6	14	105	85	1	19
TACOMA,WASH...............	218	37	10	27	9	9	*	*	37	23	14	*
TALLAHASSEE,FLA...........	610	105	48	57	77	66	11	*	35	19	14	2
TAMPA-ST. PETERSBURG,FLA..	802	80	48	32	54	54	*	*	57	37	20	*
TERRE-HAUTE,IND...........	337	78	53	25	23	11	12	*	8	8	*	*
TEXARKANA,TEX.- TEXARKANA,ARK...........	10	*	*	*	10	10	*	*	*	*	*	*
TOLEDO,OHIO-MICH..........	899	215	138	77	104	81	23	25	72	72	*	*
TOPEKA,KANS...............	165	15	15	*	13	11	2	*	*	*	*	*
TRENTON,N.J...............	2,042	764	466	298	119	96	23	22	41	29	*	12
TUCSON,ARIZ...............	1,494	273	93	180	80	71	9	*	116	87	*	29
TULSA,OKLA................	411	10	10	*	11	11	*	11	100	94	6	*
TUSCALOOSA,ALA............	394	28	24	4	22	20	2	6	*	*	*	*
TYLER,TEX.................	24	*	*	*	*	*	*	*	*	*	*	*
UTICA-ROME,N.Y............	227	47	47	*	18	18	*	3	18	18	*	*
VALLEJO-FAIRFIELD- NAPA,CALIF...............	84	5	5	*	10	10	*	*	*	*	*	*
VINELAND-MILLVILLE- BRIDGETON,N.J............	22	*	*	*	*	*	*	*	*	*	*	*
WACO,TEX..................	146	27	17	10	32	32	*	*	*	*	*	*
WASHINGTON,D.C.-MD.-VA....	17,651	3,320	1,308	2,012	785	572	213	368	1,098	808	96	194
WATERBURY,CONN............	93	53	53	*	*	*	*	*	5	5	*	*
WATERLOO-CEDAR FALLS,IOWA.	112	4	2	2	3	3	*	*	*	*	*	*
WEST PALM BEACH- BOCA RATON,FLA...........	272	78	52	26	7	7	*	*	3	3	*	*
WHEELING,W.VA.-OHIO.......	27	*	*	*	*	*	*	*	*	*	*	*
WICHITA,KANS..............	288	54	54	*	5	5	*	*	6	6	*	*
WICHITA FALLS,TEX.........	80	22	9	13	*	*	*	7	*	*	*	*
WILLIAMSPORT,PA...........	35	*	*	*	*	*	*	*	*	*	*	*
WILMINGTON,DEL.-N.J.-MD...	3,294	2,049	1,926	123	38	38	*	14	55	36	19	*
WILMINGTON,N.C............	78	29	28	1	*	*	*	9	*	*	*	*
WORCESTER,MASS............	575	91	58	33	80	80	*	*	3	3	*	*
YAKIMA,WASH...............	50	*	*	*	*	*	*	*	*	*	*	*
YORK,PA...................	95	16	16	*	*	*	*	*	*	*	*	*
YOUNGSTOWN-WARREN,OHIO....	226	21	2	19	3	3	*	12	*	*	*	*
OTHER LOCATIONS.........	49,190	9,118	5,817	3,301	3,077	2,699	378	430	2,468	1,926	347	195

* NO CASES REPORTED

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-18. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND FIELD: 1975
CONTINUED

		.......LIFE SCIENTISTS........				PSY-	......SOCIAL SCIENTISTS.......				
LOCATION	ENGI-NEERS	TOTAL	BIOL. SCI.	AGRIC. SCI.	MEDICAL SCI.	CHOL-OGISTS	TOTAL	ECON-OMISTS	SOCIO/ ANTHRO.	OTHER	NO REPORT
SPRINGFIELD,OHIO...........	*	15	15	*	*	14	26	10	*	16	*
SPRINGFIELD-CHICOPEE-HOLYOKE,MASS.-CONN......	20	102	85	12	5	103	73	19	*	54	*
STAMFORD,CONN..............	71	10	10	*	*	44	32	*	15	17	*
STEUBENVILLE-WEIRTON,OHIO-W.VA........	*	10	10	*	*	*	17	*	*	17	*
STOCKTON,CALIF.............	11	11	3	*	8	47	19	6	13	*	4
SYRACUSE,N.Y...............	180	339	223	30	86	154	237	39	69	129	1
TACOMA,WASH................	7	41	19	22	*	56	28	*	2	26	3
TALLAHASSEE,FLA............	12	108	67	16	25	130	138	40	8	90	5
TAMPA-ST. PETERSBURG,FLA..	116	172	144	2	26	163	151	24	66	61	9
TERRE-HAUTE,IND............	19	59	38	21	*	46	100	14	33	53	4
TEXARKANA,TEX.-TEXARKANA,ARK............	*	*	*	*	*	*	*	*	*	*	*
TOLEDO,OHIO-MICH...........	108	189	127	23	39	64	118	67	39	12	4
TOPEKA,KANS................	*	16	*	*	16	83	38	22	*	16	*
TRENTON,N.J................	419	219	136	17	66	176	278	26	88	164	4
TUCSON,ARIZ................	203	456	221	152	83	128	237	114	51	72	1
TULSA,OKLA.................	144	37	31	6	*	43	55	34	*	21	*
TUSCALOOSA,ALA.............	68	43	38	*	5	98	126	29	19	78	3
TYLER,TEX..................	*	10	10	*	*	*	14	*	*	14	*
UTICA-ROME,N.Y.............	36	40	40	*	*	11	54	12	17	25	*
VALLEJO-FAIRFIELD-NAPA,CALIF...............	11	18	18	*	*	38	2	*	2	*	*
VINELAND-MILLVILLE-BRIDGETON,N.J............	10	5	*	5	*	7	*	*	*	*	*
WACO,TEX...................	*	23	13	10	*	44	20	*	9	11	*
WASHINGTON,D.C.-MD.-VA....	2,415	4,725	2,480	1,104	1,141	1,273	3,649	1,590	255	1,804	18
WATERBURY,CONN.............	21	8	4	*	4	5	1	*	1	*	*
WATERLOO-CEDAR FALLS,IOWA.	10	35	25	10	*	23	34	*	7	27	3
WEST PALM BEACH-BOCA RATON,FLA..........	72	40	24	13	3	31	39	11	6	22	2
WHEELING,W.VA.-OHIO.......	*	27	21	6	*	*	*	*	*	*	*
WICHITA,KANS...............	56	11	11	*	*	96	60	12	20	28	*
WICHITA FALLS,TEX..........	13	18	12	*	6	18	2	*	*	2	*
WILLIAMSPORT,PA............	7	14	14	*	*	10	4	*	*	4	*
WILMINGTON,DEL.-N.J.-MD...	551	345	208	74	63	64	175	84	45	46	3
WILMINGTON,N.C.............	*	22	22	*	*	*	18	*	10	8	*
WORCESTER,MASS.............	137	114	82	*	32	77	72	21	*	51	1
YAKIMA,WASH................	*	29	17	12	*	21	*	*	*	*	*
YORK,PA....................	21	32	5	22	5	*	26	*	16	10	*
YOUNGSTOWN-WARREN,OHIO....	84	12	12	*	*	17	77	36	26	15	*
OTHER LOCATIONS.........	5,569	15,345	8,613	5,322	1,410	5,572	7,432	1,927	1,980	3,525	179

* NO CASES REPORTED

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-19. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND TYPE OF EMPLOYER: 1975

LOCATION	TOTAL	BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS TOTAL	EDUCATIONAL INSTITUTIONS 4-YEAR COLL/ UNIV.	EDUCATIONAL INSTITUTIONS 2-YEAR COLL.	EDUCATIONAL INSTITUTIONS ELEM/ SEC. SCHOOL	HOSPITAL/ CLINIC	NON-PROFIT ORGS.	FEDERAL GOV'T	MILITARY/ COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EM-PLOYED	NO REPORT
TOTAL,ALL LOCATIONS	277,517	65,876	153,249	147,633	3,674	1,942	7,586	8,510	19,452	2,182	3,110	2,011	86	15,106	349
TOTAL,SMSA'S	228,327	60,481	117,461	112,892	2,901	1,668	6,770	8,007	17,221	1,804	2,720	1,904	83	11,611	265
ABILENE,TEX	130	27	103	103	*	*	*	*	*	*	*	*	*	*	*
AKRON,OHIO	1,086	368	643	630	*	13	17	9	*	*	*	12	*	37	*
ALBANY,GA	40	3	37	17	20	*	*	*	*	*	*	*	*	*	*
ALBANY-SCHENECTADY-TROY,N.Y	2,465	913	1,005	972	28	5	61	23	48	*	258	20	*	131	6
ALBUQUERQUE,N.MEX	1,431	122	386	375	*	11	17	605	72	134	*	*	*	95	*
ALEXANDRIA,LA	46	*	22	22	*	*	*	*	21	*	*	*	*	3	*
ALLENTOWN-BETHLEHEM-EASTON,PA.-N.J	938	353	509	507	*	2	26	*	*	*	*	*	*	50	*
ALTOONA,PA	24	*	14	6	8	*	2	*	*	*	*	*	*	8	*
AMARILLO,TEX	128	35	55	53	2	*	12	*	26	*	*	*	*	*	*
ANAHEIM-SANTA ANA-GARDEN GROVE,CALIF	1,825	895	695	664	31	*	41	57	13	*	*	25	1	98	*
ANCHORAGE,ALASKA	91	18	45	39	4	2	*	*	12	9	*	*	*	7	*
ANDERSON,IND	17	9	8	8	*	*	*	*	*	*	*	*	*	*	*
ANN ARBOR,MICH	2,161	211	1,746	1,746	*	*	40	33	9	2	10	5	*	105	*
ANNISTON,ALA	112	*	112	112	*	*	*	*	*	*	*	*	*	*	*
APPLETON-OSHKOSH,WIS	404	84	297	292	5	*	5	*	*	*	*	*	*	18	*
ASHEVILLE,N.C	165	31	91	85	6	*	*	*	29	*	*	*	*	14	*
ATLANTA,GA	2,444	394	1,570	1,489	63	18	38	30	182	33	77	12	2	106	*
ATLANTIC CITY,N.J	70	20	48	48	*	*	*	*	*	*	*	*	*	2	*
AUGUSTA,GA.-S.C	325	110	187	171	16	*	10	*	16	*	*	*	*	2	*
AUSTIN,TEX	1,274	119	996	984	4	8	18	*	*	*	85	7	*	49	*
BAKERSFIELD,CALIF	249	45	26	26	*	*	*	4	135	28	*	6	*	5	*
BALTIMORE,MD	2,589	325	1,491	1,393	78	20	96	44	410	30	56	15	*	122	*
BATON ROUGE,LA	940	244	595	594	*	1	*	*	22	*	12	*	*	67	*
BATTLE CREEK,MICH	127	17	71	71	*	*	16	10	13	*	*	*	*	*	*
BAY CITY,MICH	18	*	18	7	11	*	*	*	*	*	*	*	*	*	*
BEAUMONT-PORT ARTHUR-ORANGE,TEX	189	104	68	68	*	*	*	*	*	*	*	10	*	7	*
BILLINGS,MONT	93	30	38	27	*	11	*	2	16	*	*	*	*	7	*
BILOXI-GULFPORT,MISS	61	9	5	*	5	*	11	*	36	*	*	*	*	*	*
BINGHAMTON,N.Y.-PA	443	180	233	230	3	*	11	*	*	*	*	6	*	13	*
BIRMINGHAM,ALA	513	34	376	356	20	*	*	51	*	*	*	*	10	42	*
BLOOMINGTON-NORMAL,ILL	246	21	211	211	*	*	1	*	*	*	*	*	*	13	*
BOISE CITY,IDAHO	149	10	117	114	*	3	*	*	11	*	9	*	*	2	*
BOSTON,MASS	8,454	2,138	4,432	4,295	44	93	512	301	516	52	63	*	17	423	*
BRIDGEPORT,CONN	322	57	228	218	*	10	*	*	11	*	2	*	*	13	11
BRISTOL,CONN	12	12	*	*	*	*	*	*	*	*	*	*	*	*	*
BROCKTON,MASS	73	5	45	43	*	2	8	*	3	*	*	*	*	12	*
BROWNSVILLE-HARLINGEN-SAN BENITO,TEX	12	5	*	*	*	*	*	*	*	*	*	*	*	7	*
BRYAN-COLLEGE STATION,TEX	1,173	14	1,048	1,048	*	*	*	*	59	*	11	*	*	41	*
BUFFALO,N.Y	1,995	541	1,097	1,080	6	11	157	51	5	*	51	*	*	89	4
BURLINGTON,N.C	14	5	*	*	*	*	*	*	*	*	*	*	*	9	*
CAGUAS,P.R	11	*	11	11	*	*	*	*	*	*	*	*	*	*	*
CANTON,OHIO	196	108	67	67	*	*	*	11	*	*	*	*	*	10	*
CEDAR RAPIDS,IOWA	104	39	54	54	*	*	9	*	*	*	*	*	*	2	*
CHAMPAIGN-URBANA-RANTOUL,ILL	2,018	51	1,639	1,634	*	5	*	*	80	*	137	*	*	111	*
CHARLESTON-NORTH CHARLESTON,S.C	446	71	338	338	*	*	3	*	15	7	*	*	*	12	*
CHARLESTON,W.VA	301	203	42	42	*	*	*	15	*	*	5	*	*	36	*
CHARLOTTE-GASTONIA,N.C	516	205	280	272	8	*	25	*	*	*	*	*	*	6	*
CHATTANOOGA,TENN.-GA	234	64	116	116	*	*	*	*	40	*	*	*	*	14	*
CHICAGO,ILL	7,997	2,629	4,225	4,000	150	75	246	407	72	*	56	16	*	346	*
CINCINNATI,OHIO-KY.-IND	1,532	540	756	754	*	2	42	36	84	12	*	3	*	59	*
CLARKSVILLE-HOPKINSVILLE,TENN.-KY	30	*	17	17	*	*	13	*	*	*	*	*	*	*	*
CLEVELAND,OHIO	2,474	905	988	924	40	24	161	46	210	*	8	6	4	141	5
COLORADO SPRINGS,COLO	465	100	251	236	*	15	*	12	*	69	6	*	*	27	*
COLUMBIA,MO	1,047	16	968	968	*	*	6	*	40	*	*	*	*	17	*
COLUMBIA,S.C	471	50	310	310	*	*	37	10	*	*	31	*	*	33	*
COLUMBUS,GA.-ALA	55	*	49	49	*	*	6	*	*	*	*	*	*	*	*
COLUMBUS,OHIO	2,364	354	1,456	1,431	11	14	33	357	21	*	50	*	*	93	*
CORPUS CHRISTI,TEX	147	104	39	29	10	*	*	*	*	*	*	*	*	4	*
DALLAS-FORT WORTH,TEX	2,474	1,145	1,126	1,072	40	14	37	40	41	*	5	23	*	57	*
DANBURY,CONN	49	18	6	6	*	*	6	*	5	*	*	*	*	14	*
DAVENPORT-ROCK ISLAND-MOLINE,IOWA-ILL	110	21	62	62	*	*	4	*	3	*	*	*	*	20	*
DAYTON,OHIO	1,297	216	503	498	5	*	40	47	321	101	*	13	*	56	*
DAYTONA BEACH,FLA	106	15	34	34	*	*	*	*	*	*	*	*	*	57	*
DECATUR,ILL	76	32	35	35	*	*	9	*	*	*	*	*	*	*	*
DENVER-BOULDER,COLO	3,406	809	1,449	1,413	*	36	138	145	586	26	73	20	*	160	*
DES MOINES,IOWA	240	41	172	164	3	5	8	*	*	*	*	*	*	13	6
DETROIT,MICH	2,793	1,167	1,185	1,120	34	31	190	64	10	*	6	38	*	133	*
DUBUQUE,IOWA	58	*	56	56	*	*	*	*	*	*	*	*	*	2	*
DULUTH-SUPERIOR,MINN.-WIS.	219	12	161	161	*	*	23	*	11	*	*	*	*	12	*
EL PASO,TEX	277	32	223	223	*	*	*	*	9	*	2	*	*	11	*
ELMIRA,N.Y	31	12	19	19	*	*	*	*	*	*	*	*	*	*	*
ERIE,PA	198	51	129	129	*	*	*	4	*	*	*	*	*	14	*
EUGENE-SPRINGFIELD,OREG	411	23	338	321	17	*	*	7	*	*	*	18	*	25	*
EVANSVILLE,IND.-KY	243	167	59	59	*	*	8	*	*	*	*	*	*	9	*
FALL RIVER,MASS.-R.I	18	18	*	*	*	*	*	*	*	*	*	*	*	*	*
FARGO-MOORHEAD,N.DAK-MINN.	515	12	428	428	*	*	3	*	66	*	*	*	*	6	*
FAYETTEVILLE,N.C	22	*	9	9	*	*	*	2	*	*	*	11	*	*	*
FAYETTEVILLE-SPRINGDALE,ARK	474	15	438	438	*	*	*	10	*	*	*	*	*	11	*
FITCHBURG-LEOMINSTER,MASS.	78	19	59	59	*	*	*	*	*	*	*	*	*	*	*
FLINT,MICH	146	35	63	41	22	*	10	*	*	*	*	10	*	28	*
FLORENCE,ALA	96	*	41	41	*	*	*	*	49	*	*	6	*	*	*
FORT LAUDERDALE-HOLLYWOOD,FLA	199	82	56	34	5	17	10	*	*	*	*	8	*	43	*
FORT MYERS,FLA	54	*	*	*	*	*	*	*	9	*	*	7	*	38	*
FORT SMITH,ARK.-OKLA	9	*	3	*	3	*	*	6	*	*	*	*	*	*	*
FORT WAYNE,IND	331	103	199	199	*	*	25	*	*	*	*	*	*	4	*
FRESNO,CALIF	294	36	199	197	*	2	24	*	13	*	*	2	*	12	8
GADSDEN,ALA	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GAINESVILLE,FLA	1,427	12	1,254	1,234	20	*	21	*	44	*	16	*	*	80	*
GALVESTON-TEXAS CITY,TEX	371	88	260	229	19	12	*	*	11	*	*	*	*	12	*
GARY-HAMMOND-EAST CHICAGO,IND	308	79	189	176	*	13	5	*	*	*	16	12	*	7	*
GRAND RAPIDS,MICH	320	43	253	245	4	4	*	*	*	*	*	*	*	13	11
GREAT FALLS,MONT	20	*	*	*	*	*	20	*	*	*	*	*	*	*	*
GREEN BAY,WIS	133	11	104	94	*	10	5	10	*	*	*	*	*	3	*
GREENSBORO-WINSTON-SALEM-HIGH POINT,N.C	778	259	470	468	2	*	*	*	*	*	*	17	*	32	*

* NO CASES REPORTED

TABLE B-19. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND TYPE OF EMPLOYER: 1975
CONTINUED

			EDUCATIONAL INSTITUTIONS												
LOCATION	TOTAL	BUSINESS/INDUSTRY	TOTAL	4-YEAR COLL/UNIV.	2-YEAR COLL.	ELEM/SEC. SCHOOL	HOSPITAL/CLINIC	NONPROFIT ORGS.	FEDERAL GOV'T	MILITARY/COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
GREENVILLE-SPARTANBURG,S.C.	799	124	600	598	*	2	6	*	10	*	11	*	*	48	*
HAMILTON-MIDDLETOWN,OHIO	351	34	285	285	*	*	*	*	*	*	*	*	*	32	*
HARRISBURG,PA.	442	46	292	283	1	8	15	*	16	*	62	*	*	11	*
HARTFORD,CONN.	948	378	395	374	19	2	52	38	*	*	38	2	*	40	5
HONOLULU,HAWAII	1,026	106	773	758	6	9	22	56	14	6	9	14	*	26	*
HOUSTON,TEX.	3,499	1,750	1,384	1,343	34	7	85	42	126	8	6	13	6	79	*
HUNTINGTON-ASHLAND, W.VA.-KY.-OHIO	153	33	112	112	*	*	*	*	*	*	*	*	*	8	*
HUNTSVILLE,ALA.	476	162	99	99	*	*	5	*	185	4	*	*	*	21	*
INDIANAPOLIS,IND.	1,238	613	454	443	*	11	100	*	11	*	13	5	*	41	1
JACKSON,MICH.	24	13	2	*	2	*	*	*	*	*	*	9	*	*	*
JACKSON,MISS.	261	15	224	201	13	10	*	*	5	*	6	*	*	11	*
JACKSONVILLE,FLA.	247	46	118	100	18	*	15	*	8	*	22	*	*	38	*
JERSEY CITY,N.J.	250	42	178	178	*	*	2	8	*	*	*	11	*	9	*
JOHNSTOWN,PA.	50	*	48	48	*	*	*	*	*	*	*	*	*	2	*
KALAMAZOO-PORTAGE,MICH.	877	493	311	311	*	*	5	13	*	*	*	*	*	55	*
KANKAKEE,ILL.	58	43	15	15	*	*	*	*	*	*	*	*	*	*	*
KANSAS CITY,MO.-KANS.	777	194	427	370	29	28	24	91	17	*	*	9	*	15	*
KENOSHA,WIS.	125	*	115	105	10	*	*	*	*	*	*	*	*	10	*
KILLEEN-TEMPLE,TEX.	38	*	4	*	4	*	*	*	29	*	*	*	*	5	*
KINGSPORT-BRISTOL,TENN-VA.	249	228	21	21	*	*	*	*	*	*	*	*	*	*	*
KNOXVILLE,TENN.	1,680	763	698	698	*	*	29	38	92	*	*	*	*	60	*
LA CROSSE,WIS.	110	*	97	97	*	*	5	*	8	*	*	*	*	*	*
LAFAYETTE,LA.	192	2	190	190	*	*	*	*	*	*	*	*	*	*	*
LAFAYETTE-WEST LAFAYETTE,IND.	1,356	24	1,271	1,271	*	*	*	*	19	*	*	*	*	42	*
LAKE CHARLES,LA.	79	24	41	41	*	*	6	*	*	*	8	*	*	*	*
LAKELAND-WINTER HAVEN,FLA.	73	12	37	33	4	*	*	*	10	*	6	*	*	8	*
LANCASTER,PA.	299	90	187	187	*	*	6	*	*	*	*	*	*	16	*
LANSING-EAST LANSING,MICH.	1,632	28	1,406	1,392	3	11	7	*	18	*	104	6	*	63	*
LAREDO,TEX.	11	*	11	11	*	*	*	*	*	*	*	*	*	*	*
LAS VEGAS,NEV.	178	25	107	106	*	1	*	*	19	11	6	*	*	10	*
LAWRENCE-HAVERHILL,MASS-N.H.	146	88	35	21	6	8	9	*	7	*	*	*	*	7	*
LAWTON,OKLA.	24	*	24	24	*	*	*	*	*	*	*	*	*	*	*
LEWISTON-AUBURN,MAINE	75	24	33	33	*	*	9	*	*	*	*	*	*	9	*
LEXINGTON-FAYETTE,KY.	1,026	21	841	841	*	*	40	2	37	11	34	10	*	30	*
LIMA,OHIO	65	39	12	12	*	*	5	*	*	*	*	*	*	9	*
LINCOLN,NEBR.	729	33	565	565	*	*	*	*	53	*	12	13	*	53	*
LITTLE ROCK-NORTH LITTLE ROCK,ARK.	268	*	194	194	*	*	27	*	38	*	6	*	*	3	*
LONG BRANCH-ASBURY PARK,N.J.	855	640	56	50	*	6	23	6	98	16	*	6	*	10	*
LORAIN-ELYRIA,OHIO	130	13	110	98	*	12	*	*	*	*	*	*	*	7	*
LOS ANGELES-LONG BEACH,CALIF.	9,189	2,787	4,712	4,466	160	86	356	513	69	29	45	130	*	519	29
LOUISVILLE,KY.-IND.	647	84	463	442	*	21	25	28	*	*	10	*	*	37	*
LOWELL,MASS.-N.H.	329	73	236	236	*	*	18	2	*	*	*	*	*	*	*
LUBBOCK,TEX.	547	16	521	521	*	*	5	*	2	*	*	*	*	3	*
LYNCHBURG,VA.	154	82	68	56	12	*	*	*	*	*	*	*	*	4	*
MACON,GA.	61	*	26	14	12	*	9	*	26	*	*	*	*	*	*
MADISON,WIS.	2,243	103	1,779	1,768	5	6	35	23	73	*	132	*	*	98	*
MANCHESTER,N.H.	61	17	41	41	*	*	*	*	*	*	*	*	*	3	*
MANSFIELD,OHIO	22	9	8	*	8	*	*	*	*	*	*	*	*	5	*
MAYAGUEZ,P.R.	173	*	168	168	*	*	*	*	5	*	*	*	*	*	*
MC ALLEN-PHARR-EDINBURG,TEX.	114	12	67	64	*	3	*	*	20	*	*	*	*	15	*
MELBOURNE-TITUSVILLE-COCOA,FLA.	177	99	35	35	*	*	10	*	8	10	*	*	*	15	*
MEMPHIS,TENN.-ARK.-MISS.	736	148	503	494	9	*	65	*	9	*	*	*	*	11	*
MERIDEN,CONN.	27	2	6	6	*	*	10	9	*	*	*	*	*	*	*
MIAMI,FLA.	1,173	170	704	644	59	1	51	32	52	*	17	*	*	147	*
MIDLAND,TEX.	17	17	*	*	*	*	*	*	*	*	*	*	*	*	*
MILWAUKEE,WIS.	1,147	235	817	781	33	3	38	10	3	*	*	*	*	44	*
MINNEAPOLIS-ST. PAUL,MINN.-WIS.	3,359	1,115	1,703	1,659	1	43	143	43	103	*	45	4	3	192	8
MOBILE,ALA.	276	18	233	233	*	*	13	*	*	*	*	*	*	12	*
MODESTO,CALIF.	188	80	77	70	7	*	13	*	*	*	*	*	*	18	*
MONROE,LA.	136	9	125	125	*	*	*	*	*	*	*	*	*	2	*
MONTGOMERY,ALA.	160	14	55	55	*	*	*	*	14	72	5	*	*	*	*
MUNCIE,IND.	186	5	175	175	*	*	*	*	*	*	*	*	*	6	*
MUSKEGON-MUSKEGON HEIGHTS,MICH.	39	21	7	*	7	*	9	*	*	*	*	*	*	2	*
NASHUA,N.H.	48	31	*	*	*	*	*	*	*	*	*	*	*	17	*
NASHVILLE-DAVIDSON,TENN.	1,136	114	900	877	*	23	32	8	11	*	54	2	*	15	*
NASSAU-SUFFOLK,N.Y.	2,438	494	1,193	939	92	162	145	373	38	*	23	73	*	99	*
NEW BEDFORD,MASS.	168	20	148	148	*	*	*	*	*	*	*	*	*	*	*
NEW BRITAIN,CONN.	142	38	87	86	*	1	*	8	*	*	*	*	*	9	*
NEW BRUNSWICK-PERTH AMBOY-SAYREVILLE,N.J.	1,605	589	923	914	*	9	28	*	1	*	*	*	*	64	*
NEW HAVEN-WEST HAVEN,CONN.	1,528	103	1,196	1,196	*	*	35	30	5	*	60	9	*	87	3
NEW LONDON-NORWICH,CONN.-R.I.	363	162	94	91	3	*	12	*	76	*	*	*	*	19	*
NEW ORLEANS,LA.	1,166	157	819	814	*	5	30	17	96	5	*	2	*	40	*
NEW YORK,N.Y.-N.J.	13,139	3,922	6,456	5,900	408	148	557	954	94	6	176	333	11	600	30
NEWARK,N.J.	5,134	3,670	1,059	955	62	42	68	30	68	3	8	*	*	225	3
NEWPORT NEWS-HAMPTON,VA.	648	31	330	330	*	*	*	2	204	*	33	*	*	36	12
NORFOLK-VIRGINIA BEACH-PORTSMOUTH,VA.-N.C.	411	35	302	302	*	*	5	*	*	22	23	*	*	24	*
NORTHEAST PENNSYLVANIA	245	38	200	182	18	*	*	*	*	*	*	*	*	7	*
NORWALK,CONN.	117	86	*	*	*	*	27	*	*	*	*	*	*	4	*
ODESSA,TEX.	57	*	57	48	9	*	*	*	*	*	*	*	*	*	*
OKLAHOMA CITY,OKLA.	799	125	535	520	11	4	13	27	36	*	10	7	*	46	*
OMAHA,NEBR.-IOWA	562	62	414	412	*	2	28	*	6	19	*	*	5	28	*
ORLANDO,FLA.	419	107	231	225	4	2	20	18	21	*	*	*	*	22	*
OWENSBORO,KY.	27	9	18	8	*	10	*	*	*	*	*	*	*	*	*
OXNARD-SIMI VALLEY-VENTURA,CALIF.	360	180	24	8	*	16	44	*	72	*	*	19	*	21	*
PARKERSBURG-MARIETTA,W.VA.-OHIO	67	33	31	26	4	1	*	*	*	*	*	*	*	3	*
PATERSON-CLIFTON-PASSAIC,N.J.	291	222	58	58	*	*	*	*	*	*	*	*	*	11	*
PENSACOLA,FLA.	156	53	53	41	12	*	*	*	39	*	*	*	*	11	*
PEORIA,ILL.	227	38	86	86	*	*	*	*	79	*	*	*	*	14	10
PETERSBURG-COLONIAL HGTS.-HOPEWELL,VA.	83	16	55	55	*	*	*	*	12	*	*	*	*	*	*
PHILADELPHIA,PA.-N.J.	7,039	2,300	3,303	3,154	97	52	339	321	238	11	49	34	13	416	15
PHOENIX,ARIZ.	1,005	211	570	524	25	21	17	*	55	5	20	*	*	127	*

* NO CASES REPORTED

TABLE B-19. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND TYPE OF EMPLOYER: 1975
CONTINUED

LOCATION	TOTAL	BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS					HOSPITAL/ CLINIC	NONPROFIT ORGS.	FEDERAL GOV'T	MILITARY/ COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
			TOTAL	4-YEAR COLL/ UNIV.	2-YEAR COLL.	ELEM/ SEC. SCHOOL										
PINE BLUFF,ARK	32	*	16	16	*	*	*	*	16	*	*	*	*	*	*
PITTSBURGH,PA	3,634	1,672	1,542	1,475	52	15	108	37	93	*	*	8	*	174	*
PITTSFIELD,MASS	112	82	4	4	*	*	19	*	*	*	*	*	*	7	*
PONCE,P.R	21	*	21	21	*	*	*	*	*	*	*	*	*	*	*
PORTLAND,MAINE	113	39	41	41	*	*	20	*	*	*	*	*	*	13	*
PORTLAND,OREG.-WASH	989	157	555	530	18	7	53	40	61	*	12	12	*	99	*
POUGHKEEPSIE,N.Y	639	386	187	174	4	9	34	*	*	*	7	*	*	18	7
PROVIDENCE-WARWICK-PAWTUCKET,R.I.-MASS	1,319	101	1,100	1,085	15	*	72	*	23	*	*	*	*	17	6
PROVO-OREM,UTAH	563	10	467	465	2	*	11	15	*	*	*	6	*	34	*
PUEBLO,COLO	81	17	49	39	10	*	15	*	*	*	*	*	*	*	*
RACINE,WIS	82	72	*	*	*	*	3	7	*	*	*	*	*	*	*
RALEIGH-DURHAM,N.C	3,201	244	2,318	2,306	*	12	29	99	238	42	47	*	*	184	*
READING,PA	232	115	86	86	*	*	25	1	*	*	2	*	*	3	*
RENO,NEV	270	21	239	239	*	*	*	*	*	*	4	*	*	6	*
RICHLAND-KENNEWICK,WASH	586	217	18	12	6	*	12	271	51	*	*	*	*	17	*
RICHMOND,VA	943	326	509	493	13	3	9	6	12	12	23	*	*	46	*
RIVERSIDE-SAN BERNARDINO-ONTARIO,CALIF	994	27	810	792	3	15	9	*	23	*	13	18	*	94	*
ROANOKE,VA	225	27	179	150	19	10	11	*	*	*	*	*	*	8	*
ROCHESTER,MINN	154	*	61	57	4	*	75	*	*	*	*	*	*	18	*
ROCHESTER,N.Y	2,311	1,054	1,095	1,081	4	10	43	13	9	*	11	*	*	86	*
ROCKFORD,ILL	32	11	19	19	*	*	*	*	*	*	*	*	*	2	*
SACRAMENTO,CALIF	1,561	97	1,239	1,190	45	4	6	21	27	*	95	*	*	76	*
SAGINAW,MICH	27	27	*	*	*	*	*	*	*	*	*	*	*	*	*
ST. CLOUD,MINN	126	*	94	94	*	*	14	*	*	*	*	*	*	13	5
ST. JOSEPH,MO	46	23	21	16	*	5	*	*	*	*	*	*	*	2	*
ST. LOUIS,MO.-ILL	2,488	910	1,319	1,249	61	9	49	14	31	36	5	18	*	106	*
SALEM,OREG	154	13	86	86	*	*	23	*	9	*	23	*	*	*	*
SALINAS-SEASIDE-MONTEREY,CALIF	401	9	249	234	15	*	13	*	24	31	*	17	*	58	*
SALT LAKE CITY-OGDEN,UTAH	1,470	268	898	898	*	*	32	10	105	*	73	2	*	82	*
SAN ANGELO,TEX	76	*	65	65	*	*	*	11	*	*	*	*	*	*	*
SAN ANTONIO,TEX	676	84	283	283	*	*	45	58	72	69	2	*	*	63	*
SAN DIEGO,CALIF	2,802	671	1,370	1,204	71	95	119	137	198	25	*	45	*	237	*
SAN FRANCISCO-OAKLAND,CALIF	7,315	1,658	3,831	3,667	140	24	166	537	452	51	33	128	*	459	*
SAN JOSE,CALIF	3,885	1,924	1,356	1,304	28	24	60	108	233	*	7	22	*	169	6
SAN JUAN,P.R	318	40	233	233	*	*	2	*	*	*	2	12	*	29	*
SANTA BARBARA-SANTA MARIA-LOMPOC,CALIF	734	311	338	329	2	7	8	12	*	*	*	*	*	65	*
SANTA CRUZ,CALIF	318	50	198	179	19	*	26	*	*	*	*	*	*	44	*
SANTA ROSA,CALIF	145	8	127	115	12	*	*	*	*	*	*	*	*	10	*
SARASOTA,FLA	174	33	26	26	*	*	9	22	*	*	*	*	*	84	*
SAVANNAH,GA	165	42	81	81	*	*	*	*	42	*	*	*	*	*	*
SEATTLE-EVERETT,WASH	2,282	494	1,491	1,453	25	13	21	33	80	12	28	11	*	112	*
SHERMAN-DENISON,TEX	39	*	39	39	*	*	*	*	*	*	*	*	*	*	*
SHREVEPORT,LA	136	*	107	107	*	*	6	*	*	11	*	*	*	12	*
SIOUX CITY,IOWA-NEBR	19	*	2	2	*	*	*	*	*	*	*	*	6	11	*
SIOUX FALLS,S.DAK	27	*	27	27	*	*	*	*	*	*	*	*	*	*	*
SOUTH BEND,IND	369	24	343	329	6	8	*	*	*	*	*	*	*	2	*
SPOKANE,WASH	193	23	133	119	1	13	15	7	*	*	*	5	*	10	*
SPRINGFIELD,ILL	221	10	120	106	14	*	*	*	*	*	53	*	*	38	*
SPRINGFIELD,MO	152	*	127	127	*	*	5	*	10	5	3	*	*	2	*
SPRINGFIELD,OHIO	101	9	82	79	*	3	2	*	*	*	*	*	*	8	*
SPRINGFIELD-CHICOPEE-HOLYOKE,MASS.-CONN	456	104	281	246	33	2	29	*	*	*	2	*	*	40	*
STAMFORD,CONN	466	407	27	11	*	16	9	*	*	*	*	7	*	16	*
STEUBENVILLE-WEIRTON,OHIO-W.VA	27	*	27	27	*	*	*	*	*	*	*	*	*	*	*
STOCKTON,CALIF	164	*	134	111	17	6	8	*	*	*	*	5	*	14	3
SYRACUSE,N.Y	1,326	234	951	925	22	4	51	*	7	*	16	13	*	54	*
TACOMA,WASH	218	41	94	80	14	*	18	11	11	24	10	*	*	9	*
TALLAHASSEE,FLA	610	30	521	516	5	*	3	*	*	*	31	*	*	25	*
TAMPA-ST. PETERSBURG,FLA	802	104	538	491	42	5	38	2	5	*	9	17	*	89	*
TERRE-HAUTE,IND	337	30	242	242	*	*	13	6	*	*	*	*	*	46	*
TEXARKANA,TEX.-TEXARKANA,ARK	10	*	10	10	*	*	*	*	*	*	*	*	*	*	*
TOLEDO,OHIO-MICH	899	247	571	551	14	6	9	*	*	*	*	12	*	60	*
TOPEKA,KANS	165	*	60	60	*	*	84	*	*	*	4	*	*	17	*
TRENTON,N.J	2,042	1,038	684	673	8	3	10	177	31	*	33	6	*	54	9
TUCSON,ARIZ	1,494	144	1,132	1,125	7	*	19	40	60	*	*	*	*	99	*
TULSA,OKLA	411	205	172	168	*	4	13	*	*	*	5	*	*	16	*
TUSCALOOSA,ALA	394	*	350	346	*	4	26	*	3	*	*	*	*	15	*
TYLER,TEX	24	*	24	24	*	*	*	*	*	*	*	*	*	*	*
UTICA-ROME,N.Y	227	38	151	131	20	*	3	7	11	*	*	*	*	17	*
VALLEJO-FAIRFIELD-NAPA,CALIF	84	6	26	20	6	*	16	*	*	11	9	*	*	16	*
VINELAND-MILLVILLE-BRIDGETON,N.J	22	15	5	*	5	*	*	*	*	*	2	*	*	*	*
WACO,TEX	146	11	111	93	10	8	17	*	2	*	*	*	*	5	*
WASHINGTON,D.C.-MD.-VA	17,651	1,924	2,795	2,630	128	37	143	1,042	9,470	728	39	500	5	959	46
WATERBURY,CONN	93	78	1	1	*	*	*	*	*	*	5	*	*	9	*
WATERLOO-CEDAR FALLS,IOWA	112	20	74	74	*	*	9	*	*	*	*	*	*	9	*
WEST PALM BEACH-BOCA RATON,FLA	272	81	123	104	7	12	3	4	12	*	5	*	*	40	4
WHEELING,W.VA.-OHIO	27	*	21	10	11	*	*	*	*	*	*	*	*	6	*
WICHITA,KANS	288	31	211	211	*	*	34	9	*	*	*	*	*	3	*
WICHITA FALLS,TEX	80	*	61	61	*	*	*	*	*	6	*	*	*	13	*
WILLIAMSPORT,PA	35	*	19	19	*	*	4	*	*	*	*	*	*	12	*
WILMINGTON,DEL.-N.J.-MD	3,294	2,486	514	513	1	*	45	29	23	*	2	*	*	183	12
WILMINGTON,N.C	78	11	66	66	*	*	*	*	*	*	*	*	*	1	*
WORCESTER,MASS	575	171	326	324	*	2	28	30	*	*	*	1	*	19	*
YAKIMA,WASH	50	12	14	*	6	8	*	*	17	*	7	*	*	*	*
YORK,PA	95	31	53	51	2	*	5	*	*	*	*	*	*	6	*
YOUNGSTOWN-WARREN,OHIO	226	48	172	172	*	*	1	*	*	*	*	*	*	5	*
OTHER LOCATIONS	49,190	5,395	35,788	34,741	773	274	816	503	2,231	378	390	107	3	3,495	84

* NO CASES REPORTED

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-20. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND PRIMARY WORK ACTIVITY: 1975

		RESEARCH AND DEVELOPMENT				....MANAGEMENT OR ADMIN....									
LOCATION	TOTAL	TOTAL	BASIC RE-SEARCH	APPL'D RE-SEARCH	DEVEL-OPMENT	TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH	TEACH-ING	CON-SULT-ING	SALES/ PROF. SER-VICES	OTHER	NOT EM-PLOYED	NO REPORT
TOTAL, ALL LOCATIONS	277,517	84,510	39,121	33,779	11,610	52,838	29,286	16,023	7,529	93,665	5,655	11,824	7,691	15,106	6,228
TOTAL, SMSA'S	228,327	73,542	34,143	28,681	10,718	45,992	26,204	13,481	6,307	70,165	5,085	10,211	6,592	11,611	5,129
ABILENE, TEX	130	5	*	5	*	17	*	12	5	91	*	17	*	*	*
AKRON, OHIO	1,086	291	61	176	54	188	145	33	10	557	*	1	5	37	7
ALBANY, GA	40	*	*	*	*	3	*	3	*	34	*	3	*	*	*
ALBANY-SCHENECTADY-TROY, N.Y.	2,465	842	341	381	120	614	383	181	50	606	41	112	83	131	36
ALBUQUERQUE, N.MEX	1,431	668	182	398	88	349	273	68	8	210	10	72	9	95	18
ALEXANDRIA, LA	46	21	10	11	*	*	*	*	*	22	*	*	*	3	*
ALLENTOWN-BETHLEHEM-EASTON, PA.-N.J.	938	239	33	88	118	202	132	59	11	369	8	43	13	50	14
ALTOONA, PA	24	*	*	*	*	*	*	*	*	14	*	*	2	8	*
AMARILLO, TEX	128	36	*	26	10	23	8	9	6	40	18	11	*	*	*
ANAHEIM-SANTA ANA-GARDEN GROVE, CALIF	1,825	701	173	344	184	341	209	96	36	439	25	127	35	98	59
ANCHORAGE, ALASKA	91	4	*	1	3	21	*	21	*	24	14	*	9	7	12
ANDERSON, IND	17	9	*	9	*	*	*	*	*	8	*	*	*	*	*
ANN ARBOR, MICH	2,161	707	524	166	17	200	137	43	20	1,016	19	51	13	105	50
ANNISTON, ALA	112	*	*	*	*	12	*	*	12	100	*	*	*	*	*
APPLETON-OSHKOSH, WIS	404	74	13	40	21	90	58	21	11	188	*	14	20	18	*
ASHEVILLE, N.C	165	41	5	36	*	19	11	8	*	91	*	*	*	14	*
ATLANTA, GA	2,444	476	261	166	49	499	221	206	72	1,086	74	94	68	106	41
ATLANTIC CITY, N.J	70	2	*	2	*	24	24	*	*	34	8	*	*	2	*
AUGUSTA, GA.-S.C	325	117	49	51	17	42	23	14	5	99	2	19	38	2	6
AUSTIN, TEX	1,274	383	220	83	80	167	83	65	19	593	17	8	31	49	26
BAKERSFIELD, CALIF	249	106	16	82	8	79	55	16	8	26	8	17	6	5	2
BALTIMORE, MD	2,589	1,022	575	335	112	391	200	109	82	829	31	91	72	122	31
BATON ROUGE, LA	940	331	99	188	44	175	91	54	30	297	6	27	27	67	10
BATTLE CREEK, MICH	127	*	*	*	*	32	17	*	15	66	*	29	*	*	*
BAY CITY, MICH	18	*	*	*	*	*	*	*	*	18	*	*	*	*	*
BEAUMONT-PORT ARTHUR-ORANGE, TEX	189	67	19	39	9	42	32	10	*	55	11	*	*	7	7
BILLINGS, MONT	93	*	*	*	*	18	*	6	12	21	11	20	16	7	*
BILOXI-GULFPORT, MISS	61	17	11	6	*	19	11	*	8	5	*	20	*	*	*
BINGHAMTON, N.Y.-PA	443	150	5	52	93	77	32	20	25	148	13	26	5	13	11
BIRMINGHAM, ALA	513	117	100	17	*	98	45	27	26	193	*	34	16	42	13
BLOOMINGTON-NORMAL, ILL	246	14	9	5	*	60	16	35	9	158	*	1	*	13	*
BOISE CITY, IDAHO	149	14	*	14	*	28	14	5	9	105	*	*	*	2	*
BOSTON, MASS	8,454	3,340	1,644	1,239	457	1,553	860	443	250	2,153	189	370	233	423	193
BRIDGEPORT, CONN	322	29	8	16	5	39	22	12	5	202	12	12	11	13	4
BRISTOL, CONN	12	*	*	*	*	*	*	*	*	*	12	*	*	*	*
BROCKTON, MASS	73	*	*	*	*	1	*	1	*	44	5	11	*	12	*
BROWNSVILLE-HARLINGEN-SAN BENITO, TEX	12	*	*	*	*	5	*	*	5	*	*	*	*	7	*
BRYAN-COLLEGE STATION, TEX.	1,173	376	153	212	11	180	114	16	50	479	*	12	40	41	45
BUFFALO, N.Y	1,995	721	387	205	129	343	253	77	13	684	46	57	11	89	44
BURLINGTON, N.C	14	5	*	*	5	*	*	*	*	*	*	*	*	9	*
CAGUAS, P.R	11	*	*	*	*	*	*	*	*	11	*	*	*	*	*
CANTON, OHIO	196	25	*	16	9	64	48	16	*	56	9	*	21	10	11
CEDAR RAPIDS, IOWA	104	34	*	15	19	*	*	*	*	54	*	14	*	2	*
CHAMPAIGN-URBANA-RANTOUL, ILL	2,018	775	449	324	2	254	166	38	50	734	10	29	33	111	72
CHARLESTON-NORTH CHARLESTON, S.C.	446	80	42	26	12	89	16	56	17	240	*	20	5	12	*
CHARLESTON, W.VA	301	100	22	61	17	105	78	19	8	19	*	*	28	36	13
CHARLOTTE-GASTONIA, N.C	516	76	5	32	39	120	77	41	2	216	*	67	*	6	31
CHATTANOOGA, TENN.-GA	234	69	6	34	29	24	14	*	10	116	*	*	11	14	*
CHICAGO, ILL	7,997	2,936	1,432	1,120	384	1,710	961	506	243	1,750	308	455	277	346	215
CINCINNATI, OHIO-KY.-IND	1,532	428	199	189	40	357	204	89	64	532	40	36	28	59	52
CLARKSVILLE-HOPKINSVILLE, TENN.-KY	30	*	*	*	*	*	*	*	*	17	*	13	*	*	*
CLEVELAND, OHIO	2,474	798	304	390	104	557	387	97	73	637	47	204	78	141	12
COLORADO SPRINGS, COLO	465	63	35	28	*	146	41	76	29	167	10	44	8	27	*
COLUMBIA, MO	1,047	319	238	71	10	126	55	44	27	525	14	16	*	11	30
COLUMBIA, S.C	471	76	39	27	10	102	33	48	21	216	*	32	5	33	7
COLUMBUS, GA.-ALA	55	*	*	*	*	6	*	6	*	49	*	*	*	*	*
COLUMBUS, OHIO	2,364	597	282	246	69	418	239	128	51	966	32	57	173	93	28
CORPUS CHRISTI, TEX	147	69	17	34	18	32	32	*	*	33	*	9	*	4	*
DALLAS-FORT WORTH, TEX	2,474	644	175	288	181	639	376	193	70	827	37	122	92	57	56
DANBURY, CONN	49	*	*	*	*	29	15	6	8	5	*	*	1	14	*
DAVENPORT-ROCK ISLAND-MOLINE, IOWA-ILL	110	15	*	12	3	16	9	4	3	59	*	*	*	20	*
DAYTON, OHIO	1,297	478	183	217	78	267	178	35	54	369	10	45	25	56	47
DAYTONA BEACH, FLA	106	*	*	*	*	16	11	5	*	29	4	*	*	57	*
DECATUR, ILL	76	14	*	14	*	40	32	8	*	22	*	*	*	*	*
DENVER-BOULDER, COLO	3,406	1,270	689	450	131	600	324	174	102	885	141	144	155	160	51
DES MOINES, IOWA	240	14	5	9	*	43	26	11	6	151	5	8	*	13	6
DETROIT, MICH	2,793	991	383	402	206	607	310	228	69	769	49	126	52	133	66
DUBUQUE, IOWA	58	*	*	*	*	2	2	*	*	54	*	*	*	2	*
DULUTH-SUPERIOR, MINN.-WIS.	219	17	5	12	*	17	11	6	*	156	*	17	*	12	*
EL PASO, TEX	277	13	11	2	*	27	*	3	24	206	*	11	9	11	*
ELMIRA, N.Y	31	*	*	*	*	*	*	*	*	19	*	*	12	*	*
ERIE, PA	198	21	*	21	*	33	24	5	4	124	*	6	*	14	*
EUGENE-SPRINGFIELD, OREG	411	98	77	21	*	71	23	23	25	183	*	7	15	25	12
EVANSVILLE, IND.-KY	243	78	31	35	12	70	55	10	5	45	*	27	12	9	2
FALL RIVER, MASS.-R.I	18	12	*	*	12	6	*	6	*	*	*	*	*	*	*
FARGO-MOORHEAD, N.DAK-MINN.	515	161	86	75	*	72	22	42	8	263	*	3	*	6	10
FAYETTEVILLE, N.C	22	11	*	*	11	2	*	2	*	9	*	*	*	*	*
FAYETTEVILLE-SPRINGDALE, ARK	474	140	40	95	5	37	10	16	11	228	5	16	20	11	17
FITCHBURG-LEOMINSTER, MASS.	78	*	*	*	*	19	19	*	*	59	*	*	*	*	*
FLINT, MICH	146	12	*	*	12	27	11	11	5	57	*	12	*	28	10
FLORENCE, ALA	96	28	16	*	12	27	21	*	6	41	*	*	*	*	*
FORT LAUDERDALE-HOLLYWOOD, FLA	199	40	23	*	17	11	5	6	*	11	24	54	5	43	11
FORT MYERS, FLA	54	9	*	9	*	7	*	7	*	*	*	*	*	38	*
FORT SMITH, ARK.-OKLA	9	*	*	*	*	6	6	*	*	3	*	*	*	*	*
FORT WAYNE, IND	331	48	13	27	8	74	16	57	1	143	*	14	10	4	38
FRESNO, CALIF	294	37	8	29	*	26	4	11	11	170	*	39	*	12	10
GADSDEN, ALA	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
GAINESVILLE, FLA	1,427	653	427	226	*	118	47	37	34	504	10	17	17	80	28
GALVESTON-TEXAS CITY, TEX	371	156	102	46	8	45	35	*	10	53	*	44	35	12	26
GARY-HAMMOND-EAST CHICAGO, IND	308	52	*	45	7	77	25	46	6	122	13	28	9	7	*
GRAND RAPIDS, MICH	320	18	*	*	18	27	16	3	8	236	12	1	2	13	11
GREAT FALLS, MONT	20	5	5	*	*	*	*	*	*	*	*	9	*	*	6
GREEN BAY, WIS	133	*	*	*	*	27	*	27	*	87	*	5	11	3	*
GREENSBORO-WINSTON-SALEM-HIGH POINT, N.C	778	172	59	87	26	208	114	59	35	326	10	14	9	32	7

* NO CASES REPORTED

TABLE B-20. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND PRIMARY WORK ACTIVITY: 1975
CONTINUED

		RESEARCH AND DEVELOPMENT				....MANAGEMENT OR ADMIN....									
LOCATION	TOTAL	TOTAL	BASIC RE-SEARCH	APPL'D RE-SEARCH	DEVEL-OPMENT	TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH	TEACH-ING	CON-SULT-ING	SALES/ PROF. SER-VICES	OTHER	NOT EM-PLOYED	NO REPORT
GREENVILLE-															
SPARTANBURG,S.C.	799	144	26	84	34	171	98	63	10	392	2	6	10	48	26
HAMILTON-MIDDLETOWN,OHIO	351	8	*	8	*	52	26	16	10	259	*	*	*	32	*
HARRISBURG,PA	442	127	85	36	6	98	40	41	17	160	*	18	17	11	11
HARTFORD,CONN	948	261	107	102	52	256	160	57	39	263	17	41	57	40	13
HONOLULU,HAWAII	1,026	405	293	100	12	180	111	44	25	298	46	26	26	26	19
HOUSTON,TEX	3,499	1,678	696	668	314	750	353	303	94	586	119	166	81	79	40
HUNTINGTON-ASHLAND,															
W.VA.-KY.-OHIO	153	14	*	9	5	35	14	21	*	86	*	*	10	8	*
HUNTSVILLE,ALA	476	245	35	137	73	131	100	16	15	57	*	*	1	21	21
INDIANAPOLIS,IND	1,238	474	207	192	75	271	180	70	21	313	*	91	13	41	35
JACKSON,MICH	24	7	*	*	7	9	*	*	9	2	*	*	*	*	6
JACKSON,MISS	261	49	44	5	*	28	*	28	*	146	6	5	16	11	*
JACKSONVILLE,FLA	247	11	*	11	*	44	24	20	*	98	8	31	17	38	*
JERSEY CITY,N.J	250	34	23	11	*	32	25	1	6	127	24	14	5	9	5
JOHNSTOWN,PA	50	*	*	*	*	*	*	*	*	48	*	*	*	2	*
KALAMAZOO-PORTAGE,MICH	877	283	102	123	58	229	162	44	23	251	15	*	34	55	10
KANKAKEE,ILL	58	22	*	11	11	21	21	*	*	15	*	*	*	*	*
KANSAS CITY,MO.-KANS	777	260	94	91	75	165	110	47	8	267	10	29	11	15	20
KENOSHA,WIS	125	2	2	*	*	11	11	*	*	102	*	*	*	10	*
KILLEEN-TEMPLE,TEX	38	15	*	15	*	*	*	*	*	4	*	3	11	5	*
KINGSPORT-BRISTOL,TENN-VA.	249	144	10	94	40	57	54	3	*	18	*	*	24	*	6
KNOXVILLE,TENN	1,680	796	372	353	71	266	143	58	65	370	37	58	53	60	40
LA CROSSE,WIS	110	*	*	*	*	8	8	*	*	97	*	5	*	*	*
LAFAYETTE,LA	192	2	*	2	*	35	*	35	*	144	11	*	*	*	*
LAFAYETTE-															
WEST LAFAYETTE,IND	1,356	484	326	148	10	193	90	73	30	582	6	17	15	42	17
LAKE CHARLES,LA	79	17	8	*	9	5	5	*	*	41	*	16	*	*	*
LAKELAND-															
WINTER HAVEN,FLA	73	39	10	18	11	6	6	*	*	8	*	7	*	8	5
LANCASTER,PA	299	58	15	22	21	46	*	23	23	164	5	*	10	16	*
LANSING-EAST LANSING,MICH.	1,632	515	259	228	28	219	57	99	63	661	21	53	85	63	15
LAREDO,TEX	11	*	*	*	*	*	*	*	*	11	*	*	*	*	*
LAS VEGAS,NEV	178	25	*	8	17	19	14	5	*	84	*	34	*	10	6
LAWRENCE-															
HAVERHILL,MASS-N.H	146	36	*	11	25	51	33	11	7	35	1	16	*	7	*
LAWTON,OKLA	24	*	*	*	*	*	*	*	*	24	*	*	*	*	*
LEWISTON-AUBURN,MAINE	75	*	*	*	*	5	*	5	*	28	17	9	7	9	*
LEXINGTON-FAYETTE,KY	1,026	308	221	71	16	147	64	41	42	400	7	30	58	30	46
LIMA,OHIO	65	23	*	*	23	*	*	*	*	12	*	5	16	9	*
LINCOLN,NEBR	729	188	59	118	11	96	39	48	9	353	*	*	12	53	27
LITTLE ROCK-															
NORTH LITTLE ROCK,ARK	268	65	38	27	*	46	19	19	8	103	7	9	18	3	17
LONG BRANCH-															
ASBURY PARK,N.J	855	486	41	292	153	259	253	*	6	42	14	34	9	10	1
LORAIN-ELYRIA,OHIO	130	14	5	9	*	18	*	6	12	78	*	9	4	7	*
LOS ANGELES-															
LONG BEACH,CALIF	9,189	3,235	1,456	1,141	638	1,836	1,089	560	187	2,497	228	534	166	519	174
LOUISVILLE,KY.-IND	647	88	34	35	19	135	58	59	18	334	6	34	4	37	9
LOWELL,MASS.-N.H	329	58	11	15	32	48	31	17	*	194	10	9	9	*	1
LUBBOCK,TEX	547	102	36	50	16	77	22	24	31	360	*	5	*	3	*
LYNCHBURG,VA	154	42	5	11	26	30	8	14	8	41	8	*	7	4	22
MACON,GA	61	10	*	10	*	35	16	*	19	16	*	*	*	*	*
MADISON,WIS	2,243	885	650	216	19	391	137	129	125	735	12	58	41	98	23
MANCHESTER,N.H	61	*	*	*	*	10	*	*	10	41	*	7	*	3	*
MANSFIELD,OHIO	22	*	*	*	*	*	*	*	*	8	*	*	9	5	*
MAYAGUEZ,P.R	173	12	*	12	*	16	16	*	*	133	*	*	*	*	12
MC ALLEN-PHARR-															
EDINBURG,TEX	114	44	*	44	*	*	*	*	*	51	*	*	4	15	*
MELBOURNE-TITUSVILLE-															
COCOA,FLA	177	76	*	13	63	60	24	26	10	26	*	*	*	15	*
MEMPHIS,TENN.-ARK.-MISS	736	151	130	4	17	170	61	71	38	312	15	47	*	11	30
MERIDEN,CONN	27	9	9	*	*	*	*	*	*	*	2	16	*	*	*
MIAMI,FLA	1,173	303	205	81	17	178	51	88	39	355	33	99	31	147	27
MIDLAND,TEX	17	17	*	17	*	*	*	*	*	*	*	*	*	*	*
MILWAUKEE,WIS	1,147	206	83	49	74	171	64	39	68	660	11	19	10	44	26
MINNEAPOLIS-															
ST. PAUL,MINN.-WIS	3,359	1,134	491	511	132	733	401	224	108	841	65	238	61	192	95
MOBILE,ALA	276	22	12	*	10	25	6	*	19	175	*	27	13	12	2
MODESTO,CALIF	188	65	34	23	8	15	15	*	*	77	*	13	*	18	*
MONROE,LA	136	*	*	*	*	16	*	*	16	107	*	*	*	2	11
MONTGOMERY,ALA	160	12	*	*	12	49	3	46	*	86	*	2	*	*	11
MUNCIE,IND	186	*	*	*	*	35	15	6	14	121	*	5	*	6	19
MUSKEGON-															
MUSKEGON HEIGHTS,MICH	39	9	*	*	9	12	12	*	*	7	*	9	*	2	*
NASHUA,N.H	48	22	*	22	*	9	*	*	9	*	*	*	*	17	*
NASHVILLE-DAVIDSON,TENN	1,136	328	269	43	16	185	81	54	50	489	24	42	25	15	28
NASSAU-SUFFOLK,N.Y	2,438	766	430	200	136	362	151	113	98	724	95	261	80	99	51
NEW BEDFORD,MASS	168	*	*	*	*	36	10	26	*	132	*	*	*	*	*
NEW BRITAIN,CONN	142	14	*	14	*	16	*	8	8	65	12	18	8	9	*
NEW BRUNSWICK-PERTH AMBOY-															
SAYREVILLE,N.J	1,605	560	249	202	109	308	250	30	28	548	24	63	24	64	14
NEW HAVEN-WEST HAVEN,CONN.	1,528	623	520	90	13	157	78	71	8	556	28	42	17	87	18
NEW LONDON-															
NORWICH,CONN.-R.I	363	180	44	93	43	66	60	6	*	88	5	5	*	19	*
NEW ORLEANS,LA	1,166	261	103	132	26	164	82	60	22	551	12	57	36	40	45
NEW YORK,N.Y.-N.J	13,139	3,606	2,244	1,033	329	2,780	1,360	969	451	3,989	361	1,021	428	600	354
NEWARK,N.J	5,134	2,030	655	886	489	1,445	1,019	312	114	809	170	210	136	225	109
NEWPORT NEWS-HAMPTON,VA	648	182	76	106	*	105	105	*	*	283	*	11	9	36	22
NORFOLK-VIRGINIA BEACH-															
PORTSMOUTH,VA.-N.C	411	58	27	31	*	58	15	43	*	247	7	5	*	24	12
NORTHEAST PENNSYLVANIA	245	14	9	*	5	20	*	20	*	177	*	11	11	7	5
NORWALK,CONN	117	31	*	16	15	39	24	7	8	*	*	31	12	4	*
ODESSA,TEX	57	*	*	*	*	9	*	*	9	48	*	*	*	*	*
OKLAHOMA CITY,OKLA	799	120	60	51	9	151	55	59	37	373	11	61	6	46	31
OMAHA,NEBR.-IOWA	562	80	62	10	8	101	41	46	14	303	2	26	12	28	10
ORLANDO,FLA	419	80	11	36	33	108	51	26	31	184	*	20	*	22	5
OWENSBORO,KY	27	9	*	*	9	*	*	*	*	8	*	10	*	*	*
OXNARD-SIMI VALLEY-															
VENTURA,CALIF	360	163	36	97	30	34	25	9	*	8	8	62	56	21	8
PARKERSBURG-															
MARIETTA,W.VA.-OHIO	67	19	*	19	*	14	6	8	*	30	1	*	*	3	*
PATERSON-CLIFTON-															
PASSAIC,N.J	291	46	14	19	13	130	45	50	35	56	22	12	8	11	6
PENSACOLA,FLA	156	55	*	55	*	37	33	*	4	36	1	11	*	11	5
PEORIA,ILL	227	53	11	21	21	39	34	*	5	86	9	5	*	14	21
PETERSBURG-COLONIAL HGTS.-															
HOPEWELL,VA	83	37	14	11	12	*	*	*	*	41	*	*	5	*	*
PHILADELPHIA,PA.-N.J	7,039	2,175	1,121	718	336	1,435	801	460	174	2,043	147	437	228	416	158

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TABLE B-20. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND PRIMARY WORK ACTIVITY: 1975 CONTINUED

		RESEARCH AND DEVELOPMENT				....MANAGEMENT OR ADMIN....									
LOCATION	TOTAL	TOTAL	BASIC RE-SEARCH	APPL'D RE-SEARCH	DEVEL-OPMENT	TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH	TEACH-ING	CON-SULT-ING	SALES/ PROF. SER-VICES	OTHER	NOT EM-PLOYED	NO REPORT
PHOENIX,ARIZ	1,005	192	56	78	58	120	25	41	54	398	59	55	6	127	48
PINE BLUFF,ARK	32	9	9	*	*	16	16	*	*	7	*	*	*	*	*
PITTSBURGH,PA	3,634	1,271	471	550	250	834	442	330	62	902	177	77	86	174	113
PITTSFIELD,MASS	112	61	4	36	21	14	7	*	7	*	11	19	*	7	*
PONCE,P.R	21	*	*	*	*	*	*	*	*	*	*	*	19	*	2
PORTLAND,MAINE	113	48	5	15	28	*	*	*	*	36	*	*	16	13	*
PORTLAND,OREG.-WASH	989	280	156	82	42	125	71	49	5	346	15	57	43	99	24
POUGHKEEPSIE,N.Y	639	262	20	85	157	168	103	45	20	157	*	13	*	18	21
PROVIDENCE-WARWICK-PAWTUCKET,R.I.-MASS	1,319	327	205	87	35	134	42	57	35	750	*	37	11	17	43
PROVO-OREM,UTAH	543	70	46	15	9	58	28	14	16	328	17	*	7	34	29
PUEBLO,COLO	81	*	*	*	*	37	15	17	5	36	6	2	*	*	*
RACINE,WIS	82	44	*	25	19	35	11	8	16	*	*	3	*	*	*
RALEIGH-DURHAM,N.C	3,201	1,346	743	565	38	422	232	88	102	1,042	48	79	28	184	52
READING,PA	232	46	*	17	29	59	22	35	2	86	16	15	7	3	*
RENO,NEV	270	75	23	41	11	16	6	10	*	150	7	*	2	6	14
RICHLAND-KENNEWICK,WASH	586	329	88	203	38	173	123	30	20	6	11	2	42	17	6
RICHMOND,VA	943	241	80	94	67	226	121	67	38	367	32	8	11	46	12
RIVERSIDE-SAN BERNARDINO-ONTARIO,CALIF	994	286	172	102	12	85	21	50	14	406	22	33	21	94	47
ROANOKE,VA	225	19	*	8	11	18	8	10	*	157	*	11	*	8	12
ROCHESTER,MINN	154	65	44	21	*	8	5	3	*	4	13	44	2	18	*
ROCHESTER,N.Y	2,311	1,015	412	430	173	451	283	101	67	637	14	41	16	86	51
ROCKFORD,ILL	32	11	*	*	11	*	*	*	*	19	*	*	*	2	*
SACRAMENTO,CALIF	1,561	513	298	208	7	183	69	70	44	642	22	42	49	76	34
SAGINAW,MICH	27	18	9	9	*	9	9	*	*	*	*	*	*	*	*
ST. CLOUD,MINN	126	5	*	5	*	11	*	10	1	83	*	14	*	13	*
ST. JOSEPH,MO	46	11	*	11	*	12	12	*	*	21	*	*	*	2	*
ST. LOUIS,MO.-ILL	2,488	854	465	263	126	543	225	245	73	738	33	110	55	106	49
SALEM,OREG	154	*	*	*	*	51	*	46	5	70	17	3	2	*	11
SALINAS-SEASIDE-MONTEREY,CALIF	401	41	12	26	3	44	17	14	13	202	*	33	11	58	12
SALT LAKE CITY-OGDEN,UTAH	1,470	382	202	115	65	321	159	121	41	511	17	75	47	82	35
SAN ANGELO,TEX	76	*	*	*	*	*	*	*	*	65	*	*	11	*	*
SAN ANTONIO,TEX	676	90	42	37	11	214	120	87	7	183	5	96	1	63	24
SAN DIEGO,CALIF	2,802	1,018	553	337	128	472	275	132	65	727	55	172	52	237	69
SAN FRANCISCO-OAKLAND,CALIF	7,315	2,922	1,369	1,198	355	1,417	864	359	194	1,659	229	274	199	459	156
SAN JOSE,CALIF	3,885	1,864	694	665	505	874	638	161	75	617	102	137	66	169	56
SAN JUAN,P.R	318	71	37	24	10	60	10	41	9	101	21	9	11	29	16
SANTA BARBARA-SANTA MARIA-LOMPOC,CALIF	734	160	50	101	9	152	91	33	28	248	32	25	33	65	19
SANTA CRUZ,CALIF	318	45	38	*	7	54	12	21	21	124	11	26	14	44	*
SANTA ROSA,CALIF	145	12	*	12	*	14	*	14	*	82	5	8	*	10	14
SARASOTA,FLA	174	6	*	6	*	35	6	21	8	20	8	4	6	84	11
SAVANNAH,GA	165	68	37	31	*	17	*	9	8	39	*	23	11	*	7
SEATTLE-EVERETT,WASH	2,282	900	542	215	143	283	175	81	27	694	42	105	59	112	87
SHERMAN-DENISON,TEX	39	*	*	*	*	*	*	*	*	29	*	10	*	*	*
SHREVEPORT,LA	136	*	*	*	*	12	*	12	*	90	*	*	22	12	*
SIOUX CITY,IOWA-NEBR	19	*	*	*	*	*	*	*	*	2	6	*	*	11	*
SIOUX FALLS,S.DAK	27	*	*	*	*	*	*	*	*	27	*	*	*	*	*
SOUTH BEND,IND	369	62	59	*	3	74	21	34	19	222	*	*	5	2	4
SPOKANE,WASH	193	*	*	*	*	30	*	25	5	121	*	8	13	10	11
SPRINGFIELD,ILL	221	22	16	2	4	23	11	12	*	110	*	10	*	38	18
SPRINGFIELD,MO	152	*	*	*	*	39	*	39	*	103	*	8	*	2	*
SPRINGFIELD,OHIO	101	*	*	*	*	*	*	*	*	82	*	11	*	8	*
SPRINGFIELD-CHICOPEE-HOLYOKE,MASS.-CONN	456	53	4	31	18	80	32	35	13	238	3	22	4	40	16
STAMFORD,CONN	466	225	11	187	27	136	79	52	5	16	33	27	2	16	11
STEUBENVILLE-WEIRTON,OHIO-W.VA	27	*	*	*	*	*	*	*	*	27	*	*	*	*	*
STOCKTON,CALIF	164	*	*	*	*	5	*	5	*	119	*	19	4	14	3
SYRACUSE,N.Y	1,326	308	182	98	28	183	112	40	31	702	24	23	16	54	16
TACOMA,WASH	218	32	*	21	11	47	22	25	*	72	10	36	*	9	12
TALLAHASSEE,FLA	610	102	77	25	*	106	33	31	42	340	10	12	12	25	3
TAMPA-ST. PETERSBURG,FLA	802	100	39	16	45	112	50	34	28	397	37	33	17	89	17
TERRE-HAUTE,IND	337	31	10	6	15	58	14	20	24	189	*	13	*	46	*
TEXARKANA,TEX.-TEXARKANA,ARK	10	*	*	*	*	*	*	*	*	10	*	*	*	*	*
TOLEDO,OHIO-MICH	899	156	37	74	45	160	100	44	16	460	*	9	40	60	14
TOPEKA,KANS	165	33	4	17	12	30	9	10	11	48	*	24	13	17	*
TRENTON,N.J	2,042	1,077	367	559	151	419	305	75	39	337	25	59	25	54	46
TUCSON,ARIZ	1,494	445	287	138	20	248	162	64	22	595	23	38	6	99	40
TULSA,OKLA	411	89	9	63	17	117	21	71	25	124	20	32	5	16	8
TUSCALOOSA,ALA	394	29	27	2	*	55	3	31	21	263	11	15	*	15	6
TYLER,TEX	24	*	*	*	*	*	*	*	*	24	*	*	*	*	*
UTICA-ROME,N.Y	227	35	18	14	3	22	11	11	*	140	*	3	*	17	10
VALLEJO-FAIRFIELD-NAPA,CALIF	84	4	4	*	*	14	14	*	*	21	2	16	11	16	*
VINELAND-MILLVILLE-BRIDGETON,N.J	22	*	*	*	*	7	*	2	5	5	*	*	10	*	*
WACO,TEX	146	1	1	*	*	11	11	*	*	101	*	28	*	5	*
WASHINGTON,D.C.-MD.-VA	17,651	6,267	3,105	2,618	544	5,916	4,005	1,357	554	1,810	625	454	1,149	959	471
WATERBURY,CONN	93	50	*	38	12	13	6	7	*	*	*	6	9	9	6
WATERLOO-CEDAR FALLS,IOWA	112	*	*	*	*	10	10	*	*	64	*	12	10	9	7
WEST PALM BEACH-BOCA RATON,FLA	272	39	*	15	24	58	34	14	10	96	12	3	13	40	11
WHEELING,W.VA.-OHIO	27	*	*	*	*	5	*	5	*	16	*	*	*	6	*
WICHITA,KANS	288	25	4	11	10	47	25	22	*	169	8	35	1	3	*
WICHITA FALLS,TEX	80	*	*	*	*	7	*	7	*	54	*	*	6	13	*
WILLIAMSPORT,PA	35	*	*	*	*	4	*	*	4	19	*	*	*	12	*
WILMINGTON,DEL.-N.J.-MD	3,294	1,324	385	670	269	909	654	186	69	327	82	205	224	183	40
WILMINGTON,N.C	78	17	17	*	*	*	*	*	*	49	*	*	*	1	11
WORCESTER,MASS	575	183	95	50	38	64	43	21	*	249	13	23	14	19	10
YAKIMA,WASH	50	17	8	9	*	*	*	*	*	*	12	21	*	*	*
YORK,PA	95	21	*	21	*	10	*	10	*	37	*	5	16	6	*
YOUNGSTOWN-WARREN,OHIO	226	10	*	10	*	33	12	8	13	164	10	*	4	5	*
OTHER LOCATIONS	49,190	10,968	4,978	5,098	892	6,846	3,082	2,542	1,222	23,500	570	1,613	1,099	3,495	1,099

* NO CASES REPORTED

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-21. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS, BY GEOGRAPHIC DIVISION, STATE, AND FIELD: 1975

GEOGRAPHIC DIVISION AND STATE	TOTAL	PHYSICAL SCIENTISTS			...MATH. SCIENTISTS....			COMPUTER SPECIALISTS	ENVIRONMENTAL SCIENTISTS			
		TOTAL	CHEMISTS	PHYSICISTS/ ASTRON.	TOTAL	MATH.	STAT.		TOTAL	EARTH SCI.	OCEAN.	ATMOS. SCI.
TOTAL....................	23,100	23,900	24,000	23,600	21,200	20,900	23,100	23,400	23,400	23,500	22,100	24,100
NEW ENGLAND..............	22,600	23,600	23,200	24,100	21,400	21,000	**	22,300	21,600	22,500	19,600	**
CONNECTICUT............	22,600	23,400	23,600	22,900	20,300	20,300	**	**	**	**	**	**
MAINE..................	18,800	**	**	**	**	**	**	**	**	**	**	**
MASSACHUSETTS..........	23,500	24,400	24,000	24,900	22,700	22,600	**	22,000	22,100	23,500	**	**
NEW HAMPSHIRE..........	20,500	**	**	**	**	**	**	**	**	**	**	**
RHODE ISLAND...........	22,500	21,700	**	**	**	**	**	**	**	**	**	**
VERMONT................	17,600	**	**	**	**	**	**	**	**	**	**	**
MIDDLE ATLANTIC..........	24,600	24,900	25,000	24,500	23,400	23,300	23,900	24,600	24,400	24,300	22,800	**
NEW JERSEY.............	25,600	25,200	25,200	25,300	25,700	25,300	**	24,600	28,300	27,500	**	**
NEW YORK...............	24,800	25,600	25,700	25,200	23,500	23,500	**	25,300	23,300	23,300	**	**
PENNSYLVANIA...........	23,400	23,200	23,700	22,300	22,300	21,100	**	22,600	24,300	24,400	**	**
EAST NORTH CENTRAL......	22,600	23,500	24,100	21,900	20,800	20,500	22,300	22,300	21,700	21,500	**	**
ILLINOIS...............	23,100	24,400	24,700	23,800	21,100	20,900	**	23,500	21,700	21,400	**	**
INDIANA................	22,500	23,100	24,000	20,700	21,200	20,700	**	**	**	**	**	**
MICHIGAN...............	23,700	25,400	26,100	23,600	22,100	21,900	**	**	22,200	21,900	**	**
OHIO...................	21,800	22,400	22,900	21,300	18,900	18,600	**	22,100	22,400	22,400	**	**
WISCONSIN..............	21,400	20,300	21,200	19,100	21,200	20,500	**	**	19,800	19,800	**	**
WEST NORTH CENTRAL......	21,500	22,000	22,000	22,100	18,700	18,700	19,100	23,100	22,700	22,000	**	**
IOWA...................	22,000	19,500	19,300	**	17,500	16,900	**	**	**	**	**	**
KANSAS.................	20,600	21,300	20,300	**	18,900	**	**	**	**	**	**	**
MINNESOTA..............	22,500	21,800	21,800	22,400	21,000	19,900	**	**	**	**	**	**
MISSOURI...............	22,000	24,100	24,300	**	18,100	18,200	**	**	21,600	20,400	**	**
NORTH DAKOTA...........	21,100	**	**	**	**	**	**	**	**	**	**	**
NEBRASKA...............	19,700	18,500	18,200	**	**	**	**	**	**	**	**	**
SOUTH DAKOTA...........	19,500	**	**	**	**	**	**	**	**	**	**	**
SOUTH ATLANTIC..........	24,100	24,500	24,500	24,400	22,300	21,600	25,200	24,000	24,500	24,800	24,600	23,400
DELAWARE...............	27,200	28,100	28,300	**	**	**	**	**	**	**	**	**
DISTRICT OF COLUMBIA..	28,600	27,100	25,100	28,900	29,800	30,000	**	**	31,500	31,000	**	**
FLORIDA................	22,500	22,700	22,000	24,300	22,300	22,100	**	**	21,800	20,900	**	**
GEORGIA................	20,900	19,800	20,500	18,700	19,700	19,700	**	**	20,200	20,800	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

TABLE B-21. CONTINUED

MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS, BY GEOGRAPHIC DIVISION, STATE, AND FIELD: 1975

		.......LIFE SCIENTISTS........				PSY-	......SOCIAL SCIENTISTS.......				
GEOGRAPHIC DIVISION AND STATE	ENGI- NEERS	TOTAL	BIOL. SCI.	AGRIC. SCI.	MEDICAL SCI.	CHOL- OGISTS	TOTAL	ECON- OMISTS	SOCIO/ ANTHRO.	OTHER	NO REPORT
TOTAL....................	25,200	22,200	21,300	22,000	25,700	22,100	22,100	24,600	20,700	21,200	25,900
NEW ENGLAND..............	25,000	21,400	20,700	21,000	24,900	20,600	21,600	23,100	20,500	21,000	**
CONNECTICUT............	25,200	22,800	21,300	**	26,700	22,200	21,500	21,400	19,500	22,800	**
MAINE..................	**	18,700	19,400	**	**	**	**	**	**	**	**
MASSACHUSETTS..........	25,200	22,200	20,800	**	24,800	21,200	22,900	24,200	24,200	21,600	**
NEW HAMPSHIRE..........	**	20,900	20,600	**	**	**	**	**	**	**	**
RHODE ISLAND...........	24,700	21,300	20,500	**	**	**	17,200	**	**	**	**
VERMONT................	**	18,500	**	**	**	**	**	**	**	**	**
MIDDLE ATLANTIC..........	26,400	23,800	22,400	24,500	27,700	23,700	23,400	28,100	22,200	22,600	**
NEW JERSEY.............	26,900	26,400	24,700	24,100	29,900	25,400	23,000	21,800	20,800	23,800	**
NEW YORK...............	26,900	23,600	22,300	25,300	27,500	24,100	23,900	30,000	22,300	22,400	**
PENNSYLVANIA...........	25,300	22,500	20,900	24,200	26,400	22,400	23,100	24,700	22,500	22,600	**
EAST NORTH CENTRAL......	23,700	22,600	21,600	22,500	26,100	21,200	21,500	23,600	20,400	20,600	**
ILLINOIS...............	23,600	23,000	22,000	22,900	26,500	21,100	22,400	25,200	22,000	20,800	**
INDIANA................	23,400	23,600	22,400	24,300	26,500	19,300	22,200	23,000	23,500	20,500	**
MICHIGAN...............	24,100	24,200	22,600	24,100	26,900	22,000	22,900	25,400	22,000	22,800	**
OHIO...................	23,900	21,200	20,600	20,900	24,600	19,900	19,600	23,000	19,100	19,100	**
WISCONSIN..............	24,100	21,400	21,000	21,100	24,000	22,500	19,900	**	17,800	21,200	**
WEST NORTH CENTRAL......	23,900	21,100	20,500	21,000	24,300	21,200	20,700	24,200	19,300	19,700	**
IOWA...................	23,600	22,600	22,100	22,800	24,200	22,100	21,900	**	**	**	**
KANSAS.................	**	20,300	20,500	19,200	**	21,500	20,300	**	**	**	**
MINNESOTA..............	26,000	22,300	20,900	21,900	27,900	21,700	21,700	**	**	23,100	**
MISSOURI...............	24,200	21,000	20,500	21,400	23,600	20,700	20,400	**	**	19,200	**
NORTH DAKOTA...........	**	20,800	23,500	**	**	**	**	**	**	**	**
NEBRASKA...............	**	19,500	18,100	20,300	24,200	**	**	**	**	**	**
SOUTH DAKOTA...........	**	18,200	**	**	**	**	**	**	**	**	**
SOUTH ATLANTIC...........	25,600	23,200	22,200	23,100	27,100	22,400	24,300	26,800	21,500	22,900	**
DELAWARE...............	28,500	24,100	24,300	**	**	**	**	**	**	**	**
DISTRICT OF COLUMBIA..	29,200	28,300	26,000	30,500	28,700	28,700	28,900	30,500	25,500	27,500	**
FLORIDA................	23,700	21,800	21,600	20,800	27,600	22,900	21,200	23,500	**	20,700	**
GEORGIA................	25,800	20,700	20,200	20,000	27,100	21,100	20,000	23,600	**	18,100	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

TABLE B-21. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS,
CONTINUED BY GEOGRAPHIC DIVISION, STATE, AND FIELD: 1975

GEOGRAPHIC DIVISION AND STATE	TOTAL	PHYSICAL SCIENTISTS			...MATH. SCIENTISTS....			COM- PUTER SPECIAL- ISTS	ENVIRONMENTAL SCIENTISTS			
		TOTAL	CHEM- ISTS	PHYSI- CISTS/ ASTRON.	TOTAL	MATH.	STAT.		TOTAL	EARTH SCI.	OCEAN.	ATMOS. SCI.
MARYLAND	24,800	23,700	23,200	24,200	23,500	24,200	**	26,600	24,100	22,900	**	**
NORTH CAROLINA	21,800	22,800	23,400	20,700	20,300	19,800	**	**	22,800	**	**	**
SOUTH CAROLINA	22,700	23,500	23,600	**	20,500	**	**	**	**	**	**	**
VIRGINIA	23,100	21,800	21,200	23,000	21,300	19,900	**	**	25,200	25,500	**	**
WEST VIRGINIA	22,400	26,100	26,200	**	**	**	**	**	**	**	**	**
EAST SOUTH CENTRAL	20,900	21,300	21,500	21,000	19,400	18,900	**	**	22,000	24,200	**	**
ALABAMA	21,500	21,500	20,900	21,800	18,900	18,800	**	**	**	**	**	**
KENTUCKY	20,000	21,500	21,300	**	16,700	16,500	**	**	**	**	**	**
MISSISSIPPI	20,300	18,700	18,400	**	**	**	**	**	**	**	**	**
TENNESSEE	21,400	22,200	23,200	20,100	20,900	20,500	**	**	**	**	**	**
WEST SOUTH CENTRAL	22,600	23,200	24,100	20,800	19,900	19,900	**	22,100	24,600	24,800	**	**
ARKANSAS	19,600	20,300	**	**	**	**	**	**	**	**	**	**
LOUISIANA	21,000	21,500	23,900	**	20,500	20,800	**	**	22,400	23,400	**	**
OKLAHOMA	22,400	24,700	25,100	**	18,500	17,600	**	**	24,100	24,600	**	**
TEXAS	23,400	23,200	23,900	21,400	20,100	20,100	**	22,000	25,100	25,000	**	**
MOUNTAIN	21,900	23,500	21,400	24,700	20,800	21,000	**	25,400	22,500	22,000	**	23,900
ARIZONA	22,700	22,400	22,100	22,700	24,700	24,900	**	**	22,800	22,800	**	**
COLORADO	22,400	22,200	20,100	23,300	20,800	20,500	**	**	25,000	24,500	**	**
IDAHO	19,600	**	**	**	**	**	**	**	**	**	**	**
MONTANA	18,900	**	**	**	**	**	**	**	**	**	**	**
NEW MEXICO	24,800	26,600	26,200	25,800	21,200	21,200	**	**	**	**	**	**
NEVADA	19,500	**	**	**	**	**	**	**	**	**	**	**
UTAH	20,500	21,500	21,200	**	**	**	**	**	21,400	21,300	**	**
WYOMING	18,800	**	**	**	**	**	**	**	**	**	**	**
PACIFIC	23,500	23,700	23,400	24,000	22,000	21,500	24,900	23,400	23,600	24,500	21,500	23,500
ALASKA	26,900	**	**	**	**	**	**	**	**	**	**	**
CALIFORNIA	24,300	24,300	23,700	24,800	23,400	22,800	28,100	23,400	24,800	25,300	24,000	23,400
HAWAII	22,000	**	**	**	**	**	**	**	**	**	**	**
OREGON	19,900	20,300	20,500	**	18,300	18,100	**	**	19,700	**	**	**
WASHINGTON	22,000	21,700	22,300	20,900	19,600	18,900	**	**	20,200	20,400	**	**
U.S. POSSESSIONS	20,000	**	**	**	**	**	**	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

TABLE B-21. CONTINUED

MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS, BY GEOGRAPHIC DIVISION, STATE, AND FIELD: 1975

GEOGRAPHIC DIVISION AND STATE	ENGINEERS	.......LIFE SCIENTISTS........				PSYCHOLOGISTS	......SOCIAL SCIENTISTS.......				NO REPORT
		TOTAL	BIOL. SCI.	AGRIC. SCI.	MEDICAL SCI.		TOTAL	ECONOMISTS	SOCIO/ ANTHRO.	OTHER	
MARYLAND	25,800	25,500	24,500	25,300	29,600	24,900	24,800	**	**	25,200	**
NORTH CAROLINA	22,700	21,300	20,900	20,200	23,900	19,800	20,600	**	21,900	19,000	**
SOUTH CAROLINA	25,700	20,700	19,500	**	**	16,900	23,500	**	**	**	**
VIRGINIA	25,800	21,100	19,800	21,100	25,200	22,300	22,100	23,000	**	22,600	**
WEST VIRGINIA	**	20,700	20,100	**	**	22,200	**	**	**	**	**
EAST SOUTH CENTRAL	24,000	20,500	19,300	20,900	22,600	20,000	19,400	20,800	21,000	18,800	**
ALABAMA	24,500	21,400	18,800	24,100	24,600	18,600	19,200	**	**	**	**
KENTUCKY	20,700	19,200	18,500	20,600	18,900	19,300	19,800	**	**	19,000	**
MISSISSIPPI	22,000	21,000	20,200	21,200	**	**	20,200	**	**	**	**
TENNESSEE	25,000	20,200	20,000	19,500	22,500	22,400	18,800	18,800	**	19,600	**
WEST SOUTH CENTRAL	25,200	21,200	20,200	21,400	24,500	21,100	20,600	23,500	18,900	19,900	**
ARKANSAS	**	19,700	18,700	**	**	**	**	**	**	**	**
LOUISIANA	23,900	19,900	19,300	20,000	22,300	20,000	19,400	**	**	**	**
OKLAHOMA	24,200	20,500	19,200	**	26,800	21,700	19,100	**	**	**	**
TEXAS	25,700	22,200	21,500	22,400	25,300	21,900	22,500	25,100	20,400	22,200	**
MOUNTAIN	24,100	20,400	19,800	21,000	21,400	20,700	19,800	20,600	20,200	19,000	**
ARIZONA	24,900	21,700	21,300	24,300	**	22,000	21,500	**	**	**	**
COLORADO	24,900	21,400	20,500	22,300	23,500	22,300	18,800	**	**	18,300	**
IDAHO	**	19,600	18,500	21,400	**	**	**	**	**	**	**
MONTANA	**	19,200	17,500	**	**	**	**	**	**	**	**
NEW MEXICO	25,700	19,200	19,200	**	**	**	**	**	**	**	**
NEVADA	**	**	**	**	**	**	**	**	**	**	**
UTAH	21,000	20,300	20,400	**	**	19,500	19,800	**	**	**	**
WYOMING	**	18,800	**	**	**	**	**	**	**	**	**
PACIFIC	25,800	22,400	21,700	22,500	26,200	22,700	22,000	24,400	19,800	21,500	**
ALASKA	**	**	**	**	**	**	**	**	**	**	**
CALIFORNIA	26,400	23,000	22,200	24,100	26,900	23,200	21,900	24,700	19,600	21,600	**
HAWAII	**	21,100	20,400	**	**	**	25,800	**	**	**	**
OREGON	**	20,300	20,400	19,500	**	20,200	19,600	**	**	19,500	**
WASHINGTON	23,800	22,100	20,400	23,500	24,500	21,100	22,500	**	**	21,200	**
U.S. POSSESSIONS	**	19,400	19,700	**	**	**	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

NOTE: MEDIAN SALARIES COMPUTED ONLY FOR FULL-TIME EMPLOYED CIVILIANS

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-22. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND FIELD: 1975

LOCATION	TOTAL	PHYSICAL SCIENTISTS TOTAL	CHEMISTS	PHYSICISTS/ ASTRON.	...MATH. SCIENTISTS.... TOTAL	MATH.	STAT.	COMPUTER SPECIALISTS	ENVIRONMENTAL SCIENTISTS TOTAL	EARTH SCI.	OCEAN.	ATMOS. SCI.
TOTAL,ALL LOCATIONS.....	23,100	23,900	24,000	23,600	21,200	20,900	23,100	23,400	23,400	23,500	22,100	24,100
TOTAL,SMSA'S............	23,700	24,200	24,400	24,000	21,800	21,400	23,700	23,700	24,100	24,200	22,700	24,200
AKRON,OHIO................	22,100	22,300	22,400	**	**	**	**	**	**	**	**	**
ALBANY-SCHENECTADY-TROY,N.Y................	25,400	25,500	25,600	25,500	**	**	**	**	**	**	**	**
ALBUQUERQUE,N.MEX.........	25,400	26,600	**	27,600	**	**	**	**	**	**	**	**
ALLENTOWN-BETHLEHEM-EASTON,PA.-N.J..........	23,700	22,800	**	**	**	**	**	**	**	**	**	**
ANAHEIM-SANTA ANA-GARDEN GROVE,CALIF......	24,300	23,400	24,300	**	**	**	**	**	**	**	**	**
ANN ARBOR,MICH............	25,200	26,300	27,700	25,700	**	**	**	**	**	**	**	**
APPLETON-OSHKOSH,WIS......	20,100	**	**	**	**	**	**	**	**	**	**	**
ATLANTA,GA................	21,900	23,500	23,700	**	19,600	**	**	**	**	**	**	**
AUGUSTA,GA.-S.C...........	24,000	**	**	**	**	**	**	**	**	**	**	**
AUSTIN,TEX................	22,800	23,000	**	**	**	**	**	**	**	**	**	**
BAKERSFIELD,CALIF.........	23,700	**	**	**	**	**	**	**	**	**	**	**
BALTIMORE,MD..............	23,200	23,400	20,400	24,700	20,400	20,700	**	**	**	**	**	**
BATON ROUGE,LA............	23,900	27,300	**	**	**	**	**	**	**	**	**	**
BEAUMONT-PORT ARTHUR-ORANGE,TEX..............	24,300	**	**	**	**	**	**	**	**	**	**	**
BINGHAMTON,N.Y.-PA........	27,100	**	**	**	**	**	**	**	**	**	**	**
BIRMINGHAM,ALA............	21,300	**	**	**	**	**	**	**	**	**	**	**
BLOOMINGTON-NORMAL,ILL....	22,300	**	**	**	**	**	**	**	**	**	**	**
BOSTON,MASS...............	24,000	24,200	24,000	24,300	23,900	22,600	**	**	25,100	24,800	**	**
BRIDGEPORT,CONN...........	22,100	**	**	**	**	**	**	**	**	**	**	**
BRYAN-COLLEGE STATION,TEX.	24,000	**	**	**	**	**	**	**	**	**	**	**
BUFFALO,N.Y...............	25,100	24,400	24,700	**	22,400	22,300	**	**	**	**	**	**
CHAMPAIGN-URBANA-RANTOUL,ILL.............	23,000	26,800	**	**	**	**	**	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

TABLE B-22. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN
CONTINUED STATISTICAL AREA AND FIELD: 1975

		.......LIFE SCIENTISTS........				PSY-	......SOCIAL SCIENTISTS.......				
LOCATION	ENGI-NEERS	TOTAL	BIOL. SCI.	AGRIC. SCI.	MEDICAL SCI.	CHOL-OGISTS	TOTAL	ECON-OMISTS	SOCIO/ ANTHRO.	OTHER	NO REPORT
TOTAL,ALL LOCATIONS	25,200	22,200	21,300	22,000	25,700	22,100	22,100	24,600	20,700	21,200	25,900
TOTAL,SMSA'S	25,400	22,700	21,600	23,000	26,100	22,600	22,600	25,200	20,800	21,700	**
AKRON,OHIO	**	**	**	**	**	**	22,200	**	**	**	**
ALBANY-SCHENECTADY-TROY,N.Y	28,100	22,900	21,600	**	33,000	**	24,000	**	**	22,100	**
ALBUQUERQUE,N.MEX	25,900	22,400	**	**	**	**	**	**	**	**	**
ALLENTOWN-BETHLEHEM-EASTON,PA.-N.J.	25,100	**	**	**	**	**	**	**	**	**	**
ANAHEIM-SANTA ANA-GARDEN GROVE,CALIF	26,800	20,800	20,100	**	**	23,500	19,500	**	**	18,700	**
ANN ARBOR,MICH	28,300	26,300	26,200	**	28,500	24,000	21,900	**	**	22,500	**
APPLETON-OSHKOSH,WIS	**	**	**	**	**	**	**	**	**	**	**
ATLANTA,GA	25,200	21,900	20,500	**	29,200	21,100	18,800	**	**	**	**
AUGUSTA,GA.-S.C	**	19,700	**	**	**	**	**	**	**	**	**
AUSTIN,TEX	21,500	22,600	21,900	**	**	**	24,800	**	**	**	**
BAKERSFIELD,CALIF	**	**	**	**	**	**	**	**	**	**	**
BALTIMORE,MD	24,600	22,000	21,400	**	29,100	23,100	22,600	**	**	**	**
BATON ROUGE,LA	25,300	21,200	**	19,600	**	**	**	**	**	**	**
BEAUMONT-PORT ARTHUR-ORANGE,TEX	**	**	**	**	**	**	**	**	**	**	**
BINGHAMTON,N.Y.-PA	**	**	**	**	**	**	**	**	**	**	**
BIRMINGHAM,ALA	**	22,800	21,200	**	**	**	**	**	**	**	**
BLOOMINGTON-NORMAL,ILL	**	**	**	**	**	**	**	**	**	**	**
BOSTON,MASS	25,500	21,200	20,400	**	25,100	22,200	23,900	24,700	23,400	21,900	**
BRIDGEPORT,CONN	**	**	**	**	**	**	**	**	**	**	**
BRYAN-COLLEGE STATION,TEX.	24,700	22,100	**	21,500	**	**	**	**	**	**	**
BUFFALO,N.Y	28,000	23,700	23,400	**	**	24,300	25,600	**	**	**	**
CHAMPAIGN-URBANA-RANTOUL,ILL	23,400	21,500	22,300	20,800	**	21,100	24,100	**	**	20,800	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

TABLE B-22. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN
CONTINUED STATISTICAL AREA AND FIELD: 1975

LOCATION	TOTAL	PHYSICAL SCIENTISTS			...MATH. SCIENTISTS....			COMPUTER SPECIALISTS	ENVIRONMENTAL SCIENTISTS			
		TOTAL	CHEMISTS	PHYSICISTS/ ASTRON.	TOTAL	MATH.	STAT.		TOTAL	EARTH SCI.	OCEAN.	ATMOS. SCI.
CHARLESTON-NORTH CHARLESTON,S.C.	23,300	**	**	**	**	**	**	**	**	**	**	**
CHARLESTON,W.VA.	27,000	**	**	**	**	**	**	**	**	**	**	**
CHARLOTTE-GASTONIA,N.C.	19,700	19,800	21,400	**	**	**	**	**	**	**	**	**
CHATTANOOGA,TENN.-GA.	18,000	**	**	**	**	**	**	**	**	**	**	**
CHICAGO,ILL.	23,900	24,500	24,800	23,600	20,900	20,700	**	**	25,100	25,000	**	**
CINCINNATI,OHIO-KY.-IND.	21,900	22,600	23,100	**	**	**	**	**	**	**	**	**
CLEVELAND,OHIO	23,900	24,700	25,600	**	**	**	**	**	**	**	**	**
COLORADO SPRINGS,COLO.	22,400	**	**	**	**	**	**	**	**	**	**	**
COLUMBIA,MO.	21,500	**	**	**	**	**	**	**	**	**	**	**
COLUMBIA,S.C.	23,600	**	**	**	**	**	**	**	**	**	**	**
COLUMBUS,OHIO	22,100	21,600	21,500	21,800	18,700	18,000	**	**	**	**	**	**
DALLAS-FORT WORTH,TEX.	23,700	22,800	23,300	22,400	22,900	**	**	**	24,700	25,000	**	**
DAYTON,OHIO	21,600	24,800	27,500	**	**	**	**	**	**	**	**	**
DENVER-BOULDER,COLO.	23,100	22,900	20,500	23,300	21,500	21,200	**	**	26,000	25,400	**	**
DES MOINES,IOWA	22,800	**	**	**	**	**	**	**	**	**	**	**
DETROIT,MICH.	22,900	23,700	24,400	22,700	**	**	**	**	**	**	**	**
DULUTH-SUPERIOR,MINN.-WIS.	20,400	**	**	**	**	**	**	**	**	**	**	**
EL PASO,TEX.	20,700	**	**	**	**	**	**	**	**	**	**	**
ERIE,PA.	23,600	**	**	**	**	**	**	**	**	**	**	**
EUGENE-SPRINGFIELD,OREG.	20,000	**	**	**	**	**	**	**	**	**	**	**
EVANSVILLE,IND.-KY.	26,200	**	**	**	**	**	**	**	**	**	**	**
FARGO-MOORHEAD,N.DAK-MINN.	20,600	**	**	**	**	**	**	**	**	**	**	**
FAYETTEVILLE-SPRINGDALE,ARK.	19,600	**	**	**	**	**	**	**	**	**	**	**
FORT WAYNE,IND.	18,700	**	**	**	**	**	**	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

TABLE B-22. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN
CONTINUED STATISTICAL AREA AND FIELD: 1975

		......LIFE SCIENTISTS........				PSY-	......SOCIAL SCIENTISTS.......				
LOCATION	ENGI-NEERS	TOTAL	BIOL. SCI.	AGRIC. SCI.	MEDICAL SCI.	CHOL-OGISTS	TOTAL	ECON-OMISTS	SOCIO/ ANTHRO.	OTHER	NO REPORT
CHARLESTON- NORTH CHARLESTON,S.C....	**	21,600	20,200	**	**	**	**	**	**	**	**
CHARLESTON,W.VA...........	**	**	**	**	**	**	**	**	**	**	**
CHARLOTTE-GASTONIA,N.C....	**	**	**	**	**	**	**	**	**	**	**
CHATTANOOGA,TENN.-GA......	**	**	**	**	**	**	**	**	**	**	**
CHICAGO,ILL...............	23,700	24,500	22,100	30,400	27,600	22,200	24,600	30,200	25,100	21,600	**
CINCINNATI,OHIO-KY.-IND...	24,100	21,400	21,100	**	**	**	**	**	**	**	**
CLEVELAND,OHIO............	25,200	21,600	18,500	**	**	20,100	**	**	**	**	**
COLORADO SPRINGS,COLO.....	**	**	**	**	**	**	**	**	**	**	**
COLUMBIA,MO...............	**	21,300	20,600	21,500	**	**	**	**	**	**	**
COLUMBIA,S.C..............	**	**	**	**	**	**	**	**	**	**	**
COLUMBUS,OHIO.............	24,600	21,900	22,200	21,000	24,200	**	19,500	**	**	**	**
DALLAS-FORT WORTH,TEX.....	25,900	21,700	21,000	**	**	21,700	23,100	**	**	**	**
DAYTON,OHIO...............	22,500	21,300	**	**	**	**	**	**	**	**	**
DENVER-BOULDER,COLO.......	25,100	20,500	20,000	**	**	22,600	21,700	**	**	**	**
DES MOINES,IOWA...........	**	**	**	**	**	**	**	**	**	**	**
DETROIT,MICH..............	23,400	21,400	19,200	**	25,200	23,000	24,700	**	**	**	**
DULUTH-SUPERIOR,MINN.-WIS.	**	**	**	**	**	**	**	**	**	**	**
EL PASO,TEX...............	**	**	**	**	**	**	**	**	**	**	**
ERIE,PA...................	**	**	**	**	**	**	**	**	**	**	**
EUGENE-SPRINGFIELD,OREG...	**	**	**	**	**	**	**	**	**	**	**
EVANSVILLE,IND.-KY........	**	**	**	**	**	**	**	**	**	**	**
FARGO-MOORHEAD,N.DAK-MINN.	**	20,100	**	**	**	**	**	**	**	**	**
FAYETTEVILLE- SPRINGDALE,ARK..........	**	18,800	**	**	**	**	**	**	**	**	**
FORT WAYNE,IND............	**	**	**	**	**	**	**	**	**	**	**

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TABLE B-22. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN
CONTINUED STATISTICAL AREA AND FIELD: 1975

		PHYSICAL SCIENTISTS			...MATH. SCIENTISTS....			COM-PUTER	ENVIRONMENTAL SCIENTISTS			
LOCATION	TOTAL	TOTAL	CHEM-ISTS	PHYSI-CISTS/ ASTRON.	TOTAL	MATH.	STAT.	SPECIAL-ISTS	TOTAL	EARTH SCI.	OCEAN.	ATMOS. SCI.
FRESNO,CALIF...............	23,600	**	**	**	**	**	**	**	**	**	**	**
GAINESVILLE,FLA............	22,100	20,100	**	**	**	**	**	**	**	**	**	**
GALVESTON-TEXAS CITY,TEX..	24,200	**	**	**	**	**	**	**	**	**	**	**
GARY-HAMMOND- EAST CHICAGO,IND.........	20,900	**	**	**	**	**	**	**	**	**	**	**
GRAND RAPIDS,MICH..........	19,400	**	**	**	**	**	**	**	**	**	**	**
GREENSBORO-WINSTON-SALEM- HIGH POINT,N.C...........	22,000	23,200	24,600	**	**	**	**	**	**	**	**	**
GREENVILLE- SPARTANBURG,S.C...........	22,300	24,500	**	**	**	**	**	**	**	**	**	**
HAMILTON-MIDDLETOWN,OHIO..	21,600	**	**	**	**	**	**	**	**	**	**	**
HARRISBURG,PA..............	21,400	**	**	**	**	**	**	**	**	**	**	**
HARTFORD,CONN..............	22,100	27,700	**	**	**	**	**	**	**	**	**	**
HONOLULU,HAWAII............	22,200	**	**	**	**	**	**	**	**	**	**	**
HOUSTON,TEX................	25,700	26,600	29,500	21,600	**	**	**	**	25,700	25,800	**	**
HUNTSVILLE,ALA.............	24,500	**	**	**	**	**	**	**	**	**	**	**
INDIANAPOLIS,IND...........	24,300	27,300	30,200	**	**	**	**	**	**	**	**	**
JACKSON,MISS...............	19,400	**	**	**	**	**	**	**	**	**	**	**
JACKSONVILLE,FLA...........	18,500	**	**	**	**	**	**	**	**	**	**	**
JERSEY CITY,N.J............	21,600	**	**	**	**	**	**	**	**	**	**	**
KALAMAZOO-PORTAGE,MICH....	26,200	28,100	28,100	**	**	**	**	**	**	**	**	**
KANSAS CITY,MO.-KANS......	21,000	**	**	**	**	**	**	**	**	**	**	**
KINGSPORT-BRISTOL,TENN-VA.	23,500	**	**	**	**	**	**	**	**	**	**	**
KNOXVILLE,TENN.............	23,100	23,200	**	21,800	**	**	**	**	**	**	**	**
LAFAYETTE,LA...............	22,000	**	**	**	**	**	**	**	**	**	**	**
LAFAYETTE- WEST LAFAYETTE,IND......	23,200	**	**	**	**	**	**	**	**	**	**	**
LANCASTER,PA...............	22,900	**	**	**	**	**	**	**	**	**	**	**

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TABLE B-22. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN
CONTINUED STATISTICAL AREA AND FIELD: 1975

		.......LIFE SCIENTISTS........				PSY-	......SOCIAL SCIENTISTS.......				
LOCATION	ENGI-NEERS	TOTAL	BIOL. SCI.	AGRIC. SCI.	MEDICAL SCI.	CHOL-OGISTS	TOTAL	ECON-OMISTS	SOCIO/ ANTHRO.	OTHER	NO REPORT
FRESNO,CALIF...............	**	**	**	**	**	**	**	**	**	**	**
GAINESVILLE,FLA............	22,600	21,700	23,300	20,700	**	**	**	**	**	**	**
GALVESTON-TEXAS CITY,TEX..	**	22,000	**	**	**	**	**	**	**	**	**
GARY-HAMMOND- EAST CHICAGO,IND........	**	**	**	**	**	**	**	**	**	**	**
GRAND RAPIDS,MICH..........	**	**	**	**	**	**	**	**	**	**	**
GREENSBORO-WINSTON-SALEM- HIGH POINT,N.C...........	**	20,600	**	**	**	**	**	**	**	**	**
GREENVILLE- SPARTANBURG,S.C..........	**	20,000	**	**	**	**	**	**	**	**	**
HAMILTON-MIDDLETOWN,OHIO..	**	**	**	**	**	**	**	**	**	**	**
HARRISBURG,PA..............	**	23,300	**	**	**	**	**	**	**	**	**
HARTFORD,CONN..............	24,100	21,200	20,100	**	**	**	**	**	**	**	**
HONOLULU,HAWAII............	**	22,000	20,900	**	**	**	25,800	**	**	**	**
HOUSTON,TEX................	27,900	22,300	21,700	**	23,200	24,000	21,500	**	**	**	**
HUNTSVILLE,ALA.............	26,100	**	**	**	**	**	**	**	**	**	**
INDIANAPOLIS,IND...........	**	26,800	25,200	**	26,200	**	**	**	**	**	**
JACKSON,MISS...............	**	22,000	**	**	**	**	**	**	**	**	**
JACKSONVILLE,FLA...........	**	**	**	**	**	**	**	**	**	**	**
JERSEY CITY,N.J............	**	**	**	**	**	**	**	**	**	**	**
KALAMAZOO-PORTAGE,MICH....	**	29,500	29,500	**	30,000	**	**	**	**	**	**
KANSAS CITY,MO.-KANS.......	**	22,500	**	**	22,300	**	**	**	**	**	**
KINGSPORT-BRISTOL,TENN-VA.	**	**	**	**	**	**	**	**	**	**	**
KNOXVILLE,TENN.............	25,300	21,700	21,900	**	**	**	**	**	**	**	**
LAFAYETTE,LA...............	**	**	**	**	**	**	**	**	**	**	**
LAFAYETTE- WEST LAFAYETTE,IND......	25,200	21,900	22,700	21,000	**	**	**	**	**	**	**
LANCASTER,PA...............	**	**	**	**	**	**	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

TABLE B-22. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND FIELD: 1975
CONTINUED

LOCATION	TOTAL	PHYSICAL SCIENTISTS TOTAL	CHEM-ISTS	PHYSICISTS/ ASTRON.	...MATH. SCIENTISTS.... TOTAL	MATH.	STAT.	COMPUTER SPECIAL-ISTS	ENVIRONMENTAL SCIENTISTS TOTAL	EARTH SCI.	OCEAN.	ATMOS. SCI.
LANSING-EAST LANSING,MICH.	23,700	**	**	**	25,100	**	**	**	**	**	**	**
LAS VEGAS,NEV..............	20,100	**	**	**	**	**	**	**	**	**	**	**
LEXINGTON-FAYETTE,KY.......	20,600	**	**	**	**	**	**	**	**	**	**	**
LINCOLN,NEBR...............	20,400	**	**	**	**	**	**	**	**	**	**	**
LITTLE ROCK- NORTH LITTLE ROCK,ARK...	21,800	**	**	**	**	**	**	**	**	**	**	**
LONG BRANCH- ASBURY PARK,N.J..........	25,700	25,000	**	**	**	**	**	**	**	**	**	**
LOS ANGELES- LONG BEACH,CALIF.........	24,700	23,800	22,500	25,100	22,100	22,200	**	24,100	25,000	25,000	**	**
LOUISVILLE,KY.-IND.........	19,700	**	**	**	**	**	**	**	**	**	**	**
LOWELL,MASS.-N.H...........	22,300	26,600	**	**	**	**	**	**	**	**	**	**
LUBBOCK,TEX................	23,400	**	**	**	**	**	**	**	**	**	**	**
LYNCHBURG,VA...............	21,000	**	**	**	**	**	**	**	**	**	**	**
MADISON,WIS................	22,300	21,200	**	**	**	**	**	**	**	**	**	**
MAYAGUEZ,P.R...............	21,100	**	**	**	**	**	**	**	**	**	**	**
MEMPHIS,TENN.-ARK.-MISS....	21,900	**	**	**	**	**	**	**	**	**	**	**
MIAMI,FLA..................	22,900	**	**	**	**	**	**	**	**	**	**	**
MILWAUKEE,WIS..............	22,000	**	**	**	**	**	**	**	**	**	**	**
MINNEAPOLIS- ST. PAUL,MINN.-WIS.......	23,500	22,200	21,800	**	22,500	22,500	**	**	**	**	**	**
MOBILE,ALA.................	16,400	**	**	**	**	**	**	**	**	**	**	**
MUNCIE,IND.................	21,500	**	**	**	**	**	**	**	**	**	**	**
NASHVILLE-DAVIDSON,TENN....	19,700	19,300	**	**	**	**	**	**	**	**	**	**
NASSAU-SUFFOLK,N.Y.........	24,700	24,500	25,600	21,300	**	**	**	**	**	**	**	**
NEW BEDFORD,MASS...........	27,000	**	**	**	**	**	**	**	**	**	**	**
NEW BRUNSWICK-PERTH AMBOY- SAYREVILLE,N.J...........	25,900	25,200	25,200	**	**	**	**	**	**	**	**	**
NEW HAVEN-WEST HAVEN,CONN.	21,200	21,300	**	**	**	**	**	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

TABLE B-22. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN
CONTINUED STATISTICAL AREA AND FIELD: 1975

		.......LIFE SCIENTISTS........				PSY-	......SOCIAL SCIENTISTS.......				
LOCATION	ENGI- NEERS	TOTAL	BIOL. SCI.	AGRIC. SCI.	MEDICAL SCI.	CHOL- OGISTS	TOTAL	ECON- OMISTS	SOCIO/ ANTHRO.	OTHER	NO REPORT
LANSING-EAST LANSING,MICH.	**	23,800	23,000	23,700	**	22,800	26,300	**	**	**	**
LAS VEGAS,NEV.............	**	**	**	**	**	**	**	**	**	**	**
LEXINGTON-FAYETTE,KY......	**	21,600	20,500	21,400	**	**	**	**	**	**	**
LINCOLN,NEBR..............	**	19,500	**	**	**	**	**	**	**	**	**
LITTLE ROCK-NORTH LITTLE ROCK,ARK...	**	19,700	**	**	**	**	**	**	**	**	**
LONG BRANCH-ASBURY PARK,N.J..........	25,800	**	**	**	**	**	**	**	**	**	**
LOS ANGELES-LONG BEACH,CALIF........	27,300	23,500	23,000	**	27,600	24,500	21,300	22,600	19,600	20,400	**
LOUISVILLE,KY.-IND........	**	18,600	**	**	**	**	**	**	**	**	**
LOWELL,MASS.-N.H..........	**	**	**	**	**	**	**	**	**	**	**
LUBBOCK,TEX...............	**	24,200	**	**	**	**	**	**	**	**	**
LYNCHBURG,VA..............	**	**	**	**	**	**	**	**	**	**	**
MADISON,WIS...............	23,700	21,900	21,700	21,900	**	22,700	21,100	**	**	20,800	**
MAYAGUEZ,P.R..............	**	**	**	**	**	**	**	**	**	**	**
MEMPHIS,TENN.-ARK.-MISS...	**	20,600	19,700	**	**	**	**	**	**	**	**
MIAMI,FLA.................	**	22,800	22,100	**	**	24,400	**	**	**	**	**
MILWAUKEE,WIS.............	23,500	22,400	20,200	**	**	**	19,500	**	**	**	**
MINNEAPOLIS-ST. PAUL,MINN.-WIS......	26,300	22,200	20,900	21,900	27,400	24,500	24,300	**	**	**	**
MOBILE,ALA................	**	**	**	**	**	**	**	**	**	**	**
MUNCIE,IND................	**	**	**	**	**	**	**	**	**	**	**
NASHVILLE-DAVIDSON,TENN...	**	18,400	18,500	**	**	22,200	**	**	**	**	**
NASSAU-SUFFOLK,N.Y........	27,500	23,300	23,300	**	**	25,200	20,800	**	**	**	**
NEW BEDFORD,MASS..........	**	**	**	**	**	**	**	**	**	**	**
NEW BRUNSWICK-PERTH AMBOY-SAYREVILLE,N.J..........	**	27,500	28,200	**	28,100	26,300	24,100	**	**	**	**
NEW HAVEN-WEST HAVEN,CONN.	**	22,500	20,700	**	**	21,100	25,100	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

TABLE B-22. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN
CONTINUED STATISTICAL AREA AND FIELD: 1975

		PHYSICAL SCIENTISTS			...MATH. SCIENTISTS....				ENVIRONMENTAL SCIENTISTS			
LOCATION	TOTAL	TOTAL	CHEMISTS	PHYSICISTS/ ASTRON.	TOTAL	MATH.	STAT.	COMPUTER SPECIALISTS	TOTAL	EARTH SCI.	OCEAN.	ATMOS. SCI.
NEW LONDON- NORWICH,CONN.-R.I........	23,700	**	**	**	**	**	**	**	**	**	**	**
NEW ORLEANS,LA.............	20,100	22,600	20,000	**	**	**	**	**	**	**	**	**
NEW YORK,N.Y.-N.J..........	25,600	26,400	26,000	27,400	24,600	24,500	**	25,100	24,200	24,000	**	**
NEWARK,N.J.................	26,800	25,800	25,900	25,500	21,900	**	**	**	**	**	**	**
NEWPORT NEWS-HAMPTON,VA....	22,000	**	**	**	**	**	**	**	**	**	**	**
NORFOLK-VIRGINIA BEACH- PORTSMOUTH,VA.-N.C.......	20,400	**	**	**	**	**	**	**	**	**	**	**
NORTHEAST PENNSYLVANIA.....	20,900	**	**	**	**	**	**	**	**	**	**	**
OKLAHOMA CITY,OKLA.........	21,200	**	**	**	**	**	**	**	**	**	**	**
OMAHA,NEBR.-IOWA...........	19,000	**	**	**	**	**	**	**	**	**	**	**
ORLANDO,FLA................	20,100	**	**	**	**	**	**	**	**	**	**	**
OXNARD-SIMI VALLEY- VENTURA,CALIF............	24,200	**	**	**	**	**	**	**	**	**	**	**
PATERSON-CLIFTON- PASSAIC,N.J..............	28,400	**	**	**	**	**	**	**	**	**	**	**
PENSACOLA,FLA..............	24,400	**	**	**	**	**	**	**	**	**	**	**
PEORIA,ILL.................	25,300	**	**	**	**	**	**	**	**	**	**	**
PHILADELPHIA,PA.-N.J.......	23,500	23,300	24,100	19,900	22,600	22,300	**	**	**	**	**	**
PHOENIX,ARIZ...............	23,300	**	**	**	**	**	**	**	**	**	**	**
PITTSBURGH,PA..............	24,600	25,100	25,200	24,800	**	**	**	**	**	**	**	**
PORTLAND,OREG.-WASH........	20,300	**	**	**	**	**	**	**	**	**	**	**
POUGHKEEPSIE,N.Y...........	24,600	**	**	**	**	**	**	**	**	**	**	**
PROVIDENCE-WARWICK- PAWTUCKET,R.I.-MASS......	22,400	22,800	**	**	**	**	**	**	**	**	**	**
PROVO-OREM,UTAH............	20,800	**	**	**	**	**	**	**	**	**	**	**
RALEIGH-DURHAM,N.C.........	23,400	24,500	24,500	**	20,900	20,600	**	**	**	**	**	**
READING,PA.................	25,200	**	**	**	**	**	**	**	**	**	**	**
RENO,NEV...................	18,900	**	**	**	**	**	**	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

TABLE B-22. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND FIELD: 1975

		.......LIFE SCIENTISTS........				PSY-	......SOCIAL SCIENTISTS.......				
LOCATION	ENGINEERS	TOTAL	BIOL. SCI.	AGRIC. SCI.	MEDICAL SCI.	CHOLOGISTS	TOTAL	ECONOMISTS	SOCIO/ ANTHRO.	OTHER	NO REPORT
NEW LONDON-NORWICH,CONN.-R.I........	**	**	**	**	**	**	**	**	**	**	**
NEW ORLEANS,LA.............	**	19,600	19,000	**	21,000	**	**	**	**	**	**
NEW YORK,N.Y.-N.J..........	27,100	24,400	23,200	**	27,000	25,800	25,300	30,900	21,600	22,600	**
NEWARK,N.J.................	27,900	28,600	27,600	**	30,700	26,400	23,100	**	**	**	**
NEWPORT NEWS-HAMPTON,VA....	**	**	**	**	**	**	**	**	**	**	**
NORFOLK-VIRGINIA BEACH-PORTSMOUTH,VA.-N.C......	**	**	**	**	**	**	**	**	**	**	**
NORTHEAST PENNSYLVANIA....	**	**	**	**	**	**	**	**	**	**	**
OKLAHOMA CITY,OKLA.........	**	22,000	20,100	**	**	**	**	**	**	**	**
OMAHA,NEBR.-IOWA...........	**	18,900	15,800	**	**	**	**	**	**	**	**
ORLANDO,FLA................	**	**	**	**	**	**	**	**	**	**	**
OXNARD-SIMI VALLEY-VENTURA,CALIF............	**	**	**	**	**	**	**	**	**	**	**
PATERSON-CLIFTON-PASSAIC,N.J..............	**	**	**	**	**	**	**	**	**	**	**
PENSACOLA,FLA..............	**	**	**	**	**	**	**	**	**	**	**
PEORIA,ILL.................	**	**	**	**	**	**	**	**	**	**	**
PHILADELPHIA,PA.-N.J.......	25,800	23,800	21,700	**	28,100	22,500	23,200	24,400	20,800	23,100	**
PHOENIX,ARIZ...............	25,600	**	**	**	**	24,700	**	**	**	**	**
PITTSBURGH,PA..............	26,000	19,800	18,100	**	**	21,500	25,200	**	**	23,000	**
PORTLAND,OREG.-WASH........	**	20,600	20,200	**	**	**	**	**	**	**	**
POUGHKEEPSIE,N.Y...........	27,300	**	**	**	**	**	**	**	**	**	**
PROVIDENCE-WARWICK-PAWTUCKET,R.I.-MASS......	26,600	20,900	20,400	**	**	**	17,200	**	**	**	**
PROVO-OREM,UTAH............	**	**	**	**	**	**	**	**	**	**	**
RALEIGH-DURHAM,N.C.........	23,600	22,700	23,000	20,500	24,500	24,300	24,300	**	**	20,600	**
READING,PA.................	**	**	**	**	**	**	**	**	**	**	**
RENO,NEV...................	**	**	**	**	**	**	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

TABLE B-22. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND FIELD: 1975

LOCATION	TOTAL	PHYSICAL SCIENTISTS TOTAL	PHYSICAL SCIENTISTS CHEMISTS	PHYSICAL SCIENTISTS PHYSICISTS/ ASTRON.	...MATH. SCIENTISTS.... TOTAL	...MATH. SCIENTISTS.... MATH.	...MATH. SCIENTISTS.... STAT.	COMPUTER SPECIALISTS	ENVIRONMENTAL SCIENTISTS TOTAL	ENVIRONMENTAL SCIENTISTS EARTH SCI.	ENVIRONMENTAL SCIENTISTS OCEAN.	ENVIRONMENTAL SCIENTISTS ATMOS. SCI.
RICHLAND-KENNEWICK,WASH	22,500	**	**	**	**	**	**	**	**	**	**	**
RICHMOND,VA	24,000	**	**	**	**	**	**	**	**	**	**	**
RIVERSIDE-SAN BERNARDINO-ONTARIO,CALIF	19,500	**	**	**	**	**	**	**	**	**	**	**
ROANOKE,VA	20,400	**	**	**	**	**	**	**	**	**	**	**
ROCHESTER,N.Y	25,500	28,100	30,400	25,700	19,800	23,500	**	**	**	**	**	**
SACRAMENTO,CALIF	23,400	**	**	**	**	**	**	**	**	**	**	**
ST. CLOUD,MINN	22,100	**	**	**	**	**	**	**	**	**	**	**
ST. LOUIS,MO.-ILL	23,500	25,500	26,200	**	**	**	**	**	**	**	**	**
SALEM,OREG	20,300	**	**	**	**	**	**	**	**	**	**	**
SALINAS-SEASIDE-MONTEREY,CALIF	26,200	**	**	**	**	**	**	**	**	**	**	**
SALT LAKE CITY-OGDEN,UTAH	20,900	**	**	**	**	**	**	**	**	**	**	**
SAN ANTONIO,TEX	24,100	**	**	**	**	**	**	**	**	**	**	**
SAN DIEGO,CALIF	23,000	20,400	20,500	20,200	26,000	26,100	**	**	22,300	**	**	**
SAN FRANCISCO-OAKLAND,CALIF	24,700	25,600	27,300	24,500	24,800	24,200	**	**	25,400	26,400	**	**
SAN JOSE,CALIF	26,100	25,700	24,600	26,400	29,100	**	**	**	**	**	**	**
SAN JUAN,P.R	20,200	**	**	**	**	**	**	**	**	**	**	**
SANTA BARBARA-SANTA MARIA-LOMPOC,CALIF	24,100	**	**	**	**	**	**	**	**	**	**	**
SANTA CRUZ,CALIF	19,300	**	**	**	**	**	**	**	**	**	**	**
SAVANNAH,GA	19,600	**	**	**	**	**	**	**	**	**	**	**
SEATTLE-EVERETT,WASH	22,700	22,700	**	23,000	**	**	**	**	**	**	**	**
SOUTH BEND,IND	20,800	**	**	**	**	**	**	**	**	**	**	**
SPOKANE,WASH	21,000	**	**	**	**	**	**	**	**	**	**	**
SPRINGFIELD,ILL	19,200	**	**	**	**	**	**	**	**	**	**	**
SPRINGFIELD,MO	19,900	**	**	**	**	**	**	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

TABLE B-22. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND FIELD: 1975
CONTINUED

		.......LIFE SCIENTISTS........				PSY-	......SOCIAL SCIENTISTS.......				
LOCATION	ENGI-NEERS	TOTAL	BIOL. SCI.	AGRIC. SCI.	MEDICAL SCI.	CHOL-OGISTS	TOTAL	ECON-OMISTS	SOCIO/ ANTHRO.	OTHER	NO REPORT
RICHLAND-KENNEWICK,WASH...	23,600	**	**	**	**	**	**	**	**	**	**
RICHMOND,VA................	**	24,500	24,600	**	23,400	**	**	**	**	**	**
RIVERSIDE-SAN BERNARDINO-ONTARIO,CALIF...........	**	19,900	19,400	**	**	**	**	**	**	**	**
ROANOKE,VA.................	**	**	**	**	**	**	**	**	**	**	**
ROCHESTER,N.Y..............	30,000	21,800	21,200	**	**	23,900	22,200	**	**	**	**
SACRAMENTO,CALIF...........	**	23,100	22,400	24,800	**	23,300	23,400	**	**	**	**
ST. CLOUD,MINN.............	**	**	**	**	**	**	**	**	**	**	**
ST. LOUIS,MO.-ILL..........	26,000	21,700	20,800	**	**	22,700	22,200	**	**	**	**
SALEM,OREG.................	**	**	**	**	**	**	**	**	**	**	**
SALINAS-SEASIDE-MONTEREY,CALIF...........	**	**	**	**	**	**	**	**	**	**	**
SALT LAKE CITY-OGDEN,UTAH.	20,500	21,700	21,500	**	**	19,900	**	**	**	**	**
SAN ANTONIO,TEX............	**	25,600	26,100	**	**	24,900	**	**	**	**	**
SAN DIEGO,CALIF............	25,400	24,300	22,100	**	**	22,200	20,800	**	**	**	**
SAN FRANCISCO-OAKLAND,CALIF............	25,400	23,600	22,400	26,900	27,400	23,000	24,600	29,400	19,000	21,300	**
SAN JOSE,CALIF.............	26,500	24,500	23,700	**	24,600	26,600	24,100	**	**	23,900	**
SAN JUAN,P.R...............	**	**	**	**	**	**	**	**	**	**	**
SANTA BARBARA-SANTA MARIA-LOMPOC,CALIF.............	**	**	**	**	**	**	**	**	**	**	**
SANTA CRUZ,CALIF...........	**	**	**	**	**	**	**	**	**	**	**
SAVANNAH,GA................	**	**	**	**	**	**	**	**	**	**	**
SEATTLE-EVERETT,WASH......	23,800	24,000	20,800	**	26,600	21,600	22,600	**	**	20,900	**
SOUTH BEND,IND.............	**	**	**	**	**	**	**	**	**	**	**
SPOKANE,WASH...............	**	**	**	**	**	**	**	**	**	**	**
SPRINGFIELD,ILL............	**	**	**	**	**	**	**	**	**	**	**
SPRINGFIELD,MO.............	**	**	**	**	**	**	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

TABLE B-22. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND FIELD: 1975
CONTINUED

LOCATION	TOTAL	PHYSICAL SCIENTISTS			...MATH. SCIENTISTS....			COMPUTER SPECIALISTS	ENVIRONMENTAL SCIENTISTS			
		TOTAL	CHEMISTS	PHYSICISTS/ ASTRON.	TOTAL	MATH.	STAT.		TOTAL	EARTH SCI.	OCEAN.	ATMOS. SCI.
SPRINGFIELD-CHICOPEE-HOLYOKE,MASS.-CONN	17,600	**	**	**	**	**	**	**	**	**	**	**
STAMFORD,CONN	23,300	22,800	22,900	**	**	**	**	**	**	**	**	**
STOCKTON,CALIF	18,400	**	**	**	**	**	**	**	**	**	**	**
SYRACUSE,N.Y	23,300	23,300	**	**	**	**	**	**	**	**	**	**
TACOMA,WASH	19,400	**	**	**	**	**	**	**	**	**	**	**
TALLAHASSEE,FLA	23,600	**	**	**	**	**	**	**	**	**	**	**
TAMPA-ST. PETERSBURG,FLA	21,500	**	**	**	**	**	**	**	**	**	**	**
TERRE-HAUTE,IND	22,200	**	**	**	**	**	**	**	**	**	**	**
TOLEDO,OHIO-MICH	21,800	**	**	**	**	**	**	**	**	**	**	**
TRENTON,N.J	24,400	23,600	23,400	24,700	**	**	**	**	**	**	**	**
TUCSON,ARIZ	22,500	22,500	**	**	**	**	**	**	**	**	**	**
TULSA,OKLA	23,200	**	**	**	**	**	**	**	**	**	**	**
TUSCALOOSA,ALA	22,700	**	**	**	**	**	**	**	**	**	**	**
UTICA-ROME,N.Y	16,800	**	**	**	**	**	**	**	**	**	**	**
WASHINGTON,D.C.-MD.-VA	27,500	25,500	24,500	26,000	26,300	26,200	27,100	26,500	28,900	29,300	**	23,800
WEST PALM BEACH-BOCA RATON,FLA	25,100	**	**	**	**	**	**	**	**	**	**	**
WICHITA,KANS	21,500	**	**	**	**	**	**	**	**	**	**	**
WILMINGTON,DEL.-N.J.-MD	27,100	27,600	27,900	**	**	**	**	**	**	**	**	**
WORCESTER,MASS	18,800	**	**	**	**	**	**	**	**	**	**	**
YOUNGSTOWN-WARREN,OHIO	22,700	**	**	**	**	**	**	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

NOTE: MEDIAN SALARIES COMPUTED ONLY FOR FULL-TIME EMPLOYED CIVILIANS

SOURCE: NATIONAL SCIENCE FOUNDATION

The following SMSA's had fewer than 20 full-time employed civilian cases reporting salary:

Abilene, Tex.
Albany, Ga.
Alexandria, La.
Altoona, Pa.
Amarillo, Tex.
Anchorage, Alaska
Anderson, Ind.
Anniston, Ala.
Asheville, N.C.
Atlantic City, N.J.
Battle Creek, Mich.
Bay City, Mich.
Billings, Mont.
Biloxi-Gulfport, Miss.
Boise City, Idaho
Bristol, Conn.
Brockton, Mass.
Brownsville-Harlingen-San Benito, Tex.
Burlington, N.C.
Caguas, P.R.
Canton, Ohio
Cedar Rapids, Iowa
Clarksville-Hopkinsville, Tenn.-Ky.
Columbus, Ga.-Ala.
Corpus Christi, Tex.
Danbury, Conn.
Davenport-Rock Island-Moline, Iowa-Ill.
Daytona Beach, Fla.
Decatur, Ill.
Dubuque, Iowa
Elmira, N.Y.
Fall River, Mass.-R.I.
Fayetteville, N.C.
Fitchburg-Leominster, Mass.
Flint, Mich.
Florence, Ala.
Fort Lauderdale-Hollywood, Fla.
Fort Myers, Fla.
Fort Smith, Ark.-Okla.
Gadsden, Ala.
Great Falls, Mont.
Green Bay, Wis.
Huntington-Ashland, W.Va.-Ky.-Ohio
Jackson, Mich.
Johnstown, Pa.
Kankakee, Ill.
Kenosha, Wis.
Killeen-Temple, Tex.
La Crosse, Wis.
Lake Charles, La.
Lakeland-Winter Haven, Fla.
Laredo, Tex.
Lawrence-Haverhill, Mass.-N.H.
Lawton, Okla.
Lewiston-Auburn, Maine
Lima, Ohio
Lorain-Elyria, Ohio
Macon, Ga.
Manchester, N.H.
Mansfield, Ohio

TABLE B-22. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND FIELD: 1975

CONTINUED

		.......LIFE SCIENTISTS........				PSY-	......SOCIAL SCIENTISTS.......				
LOCATION	ENGINEERS	TOTAL	BIOL. SCI.	AGRIC. SCI.	MEDICAL SCI.	CHOLOGISTS	TOTAL	ECONOMISTS	SOCIO/ ANTHRO.	OTHER	NO REPORT
SPRINGFIELD-CHICOPEE-HOLYOKE,MASS.-CONN	**	**	**	**	**	**	**	**	**	**	**
STAMFORD,CONN	**	**	**	**	**	**	**	**	**	**	**
STOCKTON,CALIF	**	**	**	**	**	**	**	**	**	**	**
SYRACUSE,N.Y	**	23.500	21,800	**	**	21,800	22,900	**	**	**	**
TACOMA,WASH	**	**	**	**	**	**	**	**	**	**	**
TALLAHASSEE,FLA	**	**	**	**	**	**	**	**	**	**	**
TAMPA-ST. PETERSBURG,FLA	**	**	**	**	**	22,600	**	**	**	**	**
TERRE HAUTE,IND	**	**	**	**	**	**	**	**	**	**	**
TOLEDO,OHIO-MICH	**	21,500	**	**	**	**	**	**	**	**	**
TRENTON,N.J	25,100	23,900	**	**	**	25,700	23,500	**	**	**	**
TUCSON,ARIZ	24,700	21,300	20,800	25,500	**	**	21,200	**	**	**	**
TULSA,OKLA	**	**	**	**	**	**	**	**	**	**	**
TUSCALOOSA,ALA	**	**	**	**	**	**	**	**	**	**	**
UTICA-ROME,N.Y	**	**	**	**	**	**	**	**	**	**	**
WASHINGTON,D.C.-MD.-VA	28,400	27,300	25,900	28,600	29,300	27,400	28,900	30,500	25,000	28,200	**
WEST PALM BEACH-BOCA RATON,FLA	**	**	**	**	**	**	**	**	**	**	**
WICHITA,KANS	**	**	**	**	**	**	**	**	**	**	**
WILMINGTON,DEL.-N.J.-MD	28,000	24,400	24,100	**	**	**	**	**	**	**	**
WORCESTER,MASS	**	**	**	**	**	**	**	**	**	**	**
YOUNGSTOWN-WARREN,OHIO	**	**	**	**	**	**	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

NOTE: MEDIAN SALARIES COMPUTED ONLY FOR FULL-TIME EMPLOYED CIVILIANS

SOURCE: NATIONAL SCIENCE FOUNDATION

The following SMSA's had fewer than 20 full-time employed civilian cases reporting salary: (con.)

McAllen-Pharr-Edinburg, Tex.
Melbourne-Titusville-Cocoa, Fla.
Meriden, Conn.
Midland, Tex.
Modesto, Calif.
Monroe, La.
Montgomery, Ala.
Muskegon-Muskegon Heights, Mich.
Nashua, N.H.
New Britain, Conn.
Norwalk, Conn.
Odessa, Tex.
Owensboro, Ky.
Parkersburg-Marietta, W.Va.-Ohio
Petersburg-Colonial Heights-Hopewell, Va.
Pine Bluff, Ark.
Pittsfield, Mass.
Ponce, P.R.
Portland, Maine
Pueblo, Colo.
Racine, Wis.
Rochester, Minn.
Rockford, Ill.
Saginaw, Mich.
St. Joseph, Mo.
San Angelo, Tex.
Santa Rosa, Calif.
Sarasota, Fla.
Sherman-Denison, Tex.
Shreveport, La.
Sioux City, Iowa-Nebr.
Sioux Falls, S. Dak.
Springfield, Ohio
Steubenville-Weirton, Ohio-W.Va.
Texarkana, Tex.-Texarkana, Ark.
Topeka, Kans.
Tyler, Tex.
Vallejo-Fairfield-Napa, Calif.
Vineland-Millville-Bridgeton, N.J.
Waco, Tex.
Waterbury, Conn.
Waterloo-Cedar Falls, Iowa
Wheeling, W.Va.-Ohio
Wichita Falls, Tex.
Williamsport, Pa.
Wilmington, N.C.
Yakima, Wash.
York, Pa.

TABLE B-23. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND TYPE OF EMPLOYER: 1975

			EDUCATIONAL INSTITUTIONS												
LOCATION	TOTAL	BUSINESS/ INDUSTRY	TOTAL	4-YEAR COLL/ UNIV.	2-YEAR COLL.	ELEM/ SEC. SCHOOL	HOSPITAL/ CLINIC	NONPROFIT ORGS.	FEDERAL GOV'T	MILITARY/ COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
TOTAL,ALL LOCATIONS	23,100	26,000	21,400	21,400	19,200	20,600	21,800	24,400	26,200	**	20,900	22,700	**	**	**
TOTAL,SMSA'S	23,700	26,200	21,800	21,800	20,200	21,400	21,900	24,700	26,700	**	21,100	23,100	**	**	**
AKRON,OHIO	22,100	22,300	22,000	22,100	**	**	**	**	**	**	**	**	**	**	**
ALBANY-SCHENECTADY-TROY,N.Y.	25,400	28,200	22,000	22,000	**	**	**	**	**	**	26,700	**	**	**	**
ALBUQUERQUE,N.MEX	25,400	**	22,300	22,500	**	**	**	26,600	**	**	**	**	**	**	**
ALLENTOWN-BETHLEHEM-EASTON,PA.-N.J.	23,700	25,600	22,100	22,100	**	**	**	**	**	**	**	**	**	**	**
ANAHEIM-SANTA ANA-GARDEN GROVE,CALIF	24,300	26,800	20,000	19,900	**	**	**	**	**	**	**	**	**	**	**
ANN ARBOR,MICH	25,200	26,800	25,200	25,200	**	**	**	**	**	**	**	**	**	**	**
APPLETON-OSHKOSH,WIS	20,100	**	19,000	19,200	**	**	**	**	**	**	**	**	**	**	**
ATLANTA,GA	21,900	25,100	20,900	21,500	**	**	**	**	29,600	**	**	**	**	**	**
AUGUSTA,GA.-S.C	24,000	**	21,000	22,100	**	**	**	**	**	**	**	**	**	**	**
AUSTIN,TEX	22,800	**	23,100	23,200	**	**	**	**	**	**	**	**	**	**	**
BAKERSFIELD,CALIF	23,700	**	**	**	**	**	**	**	**	**	**	**	**	**	**
BALTIMORE,MD	23,200	26,100	21,000	21,200	**	**	**	**	24,500	**	**	**	**	**	**
BATON ROUGE,LA	23,900	27,600	21,800	21,800	**	**	**	**	**	**	**	**	**	**	**
BEAUMONT-PORT ARTHUR-ORANGE,TEX	24,300	**	**	**	**	**	**	**	**	**	**	**	**	**	**
BINGHAMTON,N.Y.-PA	27,100	**	29,300	29,400	**	**	**	**	**	**	**	**	**	**	**
BIRMINGHAM,ALA	21,300	**	21,900	22,500	**	**	**	**	**	**	**	**	**	**	**
BLOOMINGTON-NORMAL,ILL	22,300	**	22,400	22,400	**	**	**	**	**	**	**	**	**	**	**
BOSTON,MASS	24,000	25,100	22,200	22,400	**	**	22,200	27,400	28,200	**	**	**	**	**	**
BRIDGEPORT,CONN	22,100	**	22,100	22,000	**	**	**	**	**	**	**	**	**	**	**
BRYAN-COLLEGE STATION,TEX.	24,000	**	24,000	24,000	**	**	**	**	**	**	**	**	**	**	**
BUFFALO,N.Y	25,100	26,500	24,300	24,400	**	**	**	**	**	**	**	**	**	**	**
CHAMPAIGN-URBANA-RANTOUL,ILL	23,000	**	23,100	23,100	**	**	**	**	**	**	**	**	**	**	**
CHARLESTON-NORTH CHARLESTON,S.C	23,300	**	20,700	20,700	**	**	**	**	**	**	**	**	**	**	**
CHARLESTON,W.VA	27,000	27,300	**	**	**	**	**	**	**	**	**	**	**	**	**
CHARLOTTE-GASTONIA,N.C	19,700	22,500	18,100	18,300	**	**	**	**	**	**	**	**	**	**	**
CHATTANOOGA,TENN.-GA	18,000	**	**	**	**	**	**	**	**	**	**	**	**	**	**
CHICAGO,ILL	23,900	25,400	22,700	22,600	23,900	**	24,400	24,500	**	**	**	**	**	**	**
CINCINNATI,OHIO-KY.-IND	21,900	24,100	18,500	18,500	**	**	**	**	**	**	**	**	**	**	**
CLEVELAND,OHIO	23,900	25,700	21,100	21,000	**	**	**	**	26,200	**	**	**	**	**	**
COLORADO SPRINGS,COLO	22,400	**	21,400	20,800	**	**	**	**	**	**	**	**	**	**	**
COLUMBIA,MO	21,500	**	21,100	21,100	**	**	**	**	**	**	**	**	**	**	**
COLUMBIA,S.C	23,600	**	22,600	22,600	**	**	**	**	**	**	**	**	**	**	**
COLUMBUS,OHIO	22,100	24,900	21,400	21,600	**	**	**	23,800	**	**	**	**	**	**	**
DALLAS-FORT WORTH,TEX	23,700	26,100	21,800	22,000	**	**	**	**	**	**	**	**	**	**	**
DAYTON,OHIO	21,600	23,000	19,500	19,500	**	**	**	**	27,200	**	**	**	**	**	**
DENVER-BOULDER,COLO	23,100	24,800	20,900	20,900	**	**	**	22,600	27,000	**	**	**	**	**	**
DES MOINES,IOWA	22,800	**	21,300	21,400	**	**	**	**	**	**	**	**	**	**	**
DETROIT,MICH	22,900	24,400	21,000	20,900	**	**	21,500	**	**	**	**	**	**	**	**
DULUTH-SUPERIOR,MINN.-WIS.	20,400	**	20,100	20,100	**	**	**	**	**	**	**	**	**	**	**
EL PASO,TEX	20,700	**	20,500	20,500	**	**	**	**	**	**	**	**	**	**	**
ERIE,PA	23,600	**	23,500	23,500	**	**	**	**	**	**	**	**	**	**	**
EUGENE-SPRINGFIELD,OREG	20,000	**	20,500	20,800	**	**	**	**	**	**	**	**	**	**	**
EVANSVILLE,IND.-KY	26,200	28,800	**	**	**	**	**	**	**	**	**	**	**	**	**
FARGO-MOORHEAD,N.DAK-MINN.	20,600	**	19,500	19,500	**	**	**	**	**	**	**	**	**	**	**
FAYETTEVILLE-SPRINGDALE,ARK	19,600	**	19,300	19,300	**	**	**	**	**	**	**	**	**	**	**
FORT WAYNE,IND	18,700	**	17,100	17,100	**	**	**	**	**	**	**	**	**	**	**
FRESNO,CALIF	23,600	**	23,400	23,400	**	**	**	**	**	**	**	**	**	**	**
GAINESVILLE,FLA	22,100	**	22,000	22,100	**	**	**	**	**	**	**	**	**	**	**
GALVESTON-TEXAS CITY,TEX	24,200	**	19,900	20,900	**	**	**	**	**	**	**	**	**	**	**
GARY-HAMMOND-EAST CHICAGO,IND	20,900	**	18,300	17,900	**	**	**	**	**	**	**	**	**	**	**
GRAND RAPIDS,MICH	19,400	**	18,600	18,600	**	**	**	**	**	**	**	**	**	**	**
GREENSBORO-WINSTON-SALEM-HIGH POINT,N.C	22,000	25,300	20,300	20,300	**	**	**	**	**	**	**	**	**	**	**
GREENVILLE-SPARTANBURG,S.C	22,300	**	22,400	22,400	**	**	**	**	**	**	**	**	**	**	**
HAMILTON-MIDDLETOWN,OHIO	21,600	**	19,700	19,700	**	**	**	**	**	**	**	**	**	**	**
HARRISBURG,PA	21,400	**	21,200	22,000	**	**	**	**	**	**	**	**	**	**	**
HARTFORD,CONN	22,100	25,900	19,500	19,400	**	**	**	**	**	**	**	**	**	**	**
HONOLULU,HAWAII	22,200	**	22,200	22,400	**	**	**	**	**	**	**	**	**	**	**
HOUSTON,TEX	25,700	27,000	22,400	22,800	**	**	**	**	**	**	**	**	**	**	**
HUNTSVILLE,ALA	24,500	**	**	**	**	**	**	**	28,400	**	**	**	**	**	**
INDIANAPOLIS,IND	24,300	30,300	18,300	18,000	**	**	**	**	**	**	**	**	**	**	**
JACKSON,MISS	19,400	**	18,900	19,600	**	**	**	**	**	**	**	**	**	**	**
JACKSONVILLE,FLA	18,500	**	**	**	**	**	**	**	**	**	**	**	**	**	**
JERSEY CITY,N.J	21,600	**	22,100	22,100	**	**	**	**	**	**	**	**	**	**	**
KALAMAZOO-PORTAGE,MICH	26,200	29,700	20,000	20,000	**	**	**	**	**	**	**	**	**	**	**
KANSAS CITY,MO.-KANS	21,000	24,200	19,600	20,400	**	**	**	**	**	**	**	**	**	**	**
KINGSPORT-BRISTOL,TENN-VA.	23,500	23,700	**	**	**	**	**	**	**	**	**	**	**	**	**
KNOXVILLE,TENN	23,100	24,400	20,800	20,800	**	**	**	**	**	**	**	**	**	**	**
LAFAYETTE,LA	22,000	**	21,900	21,900	**	**	**	**	**	**	**	**	**	**	**
LAFAYETTE-WEST LAFAYETTE,IND	23,200	**	23,200	23,200	**	**	**	**	**	**	**	**	**	**	**
LANCASTER,PA	22,900	**	22,500	22,500	**	**	**	**	**	**	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

TABLE B-23. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN
CONTINUED STATISTICAL AREA AND TYPE OF EMPLOYER: 1975

LOCATION	TOTAL	BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS TOTAL	4-YEAR COLL/ UNIV.	2-YEAR COLL.	ELEM/ SEC. SCHOOL	HOSPITAL/ CLINIC	NONPROFIT ORGS.	FEDERAL GOV'T	MILITARY/ COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
LANSING-EAST LANSING,MICH.	23,700	**	23,900	24,000	**	**	**	**	**	**	**	**	**	**	**
LAS VEGAS,NEV.	20,100	**	**	**	**	**	**	**	**	**	**	**	**	**	**
LEXINGTON-FAYETTE,KY.	20,600	**	20,400	20,400	**	**	**	**	**	**	**	**	**	**	**
LINCOLN,NEBR.	20,400	**	20,600	20,600	**	**	**	**	**	**	**	**	**	**	**
LITTLE ROCK-NORTH LITTLE ROCK,ARK.	21,800	**	19,800	19,800	**	**	**	**	**	**	**	**	**	**	**
LONG BRANCH-ASBURY PARK,N.J.	25,700	26,100	**	**	**	**	**	**	**	**	**	**	**	**	**
LOS ANGELES-LONG BEACH,CALIF.	24,700	27,200	22,600	22,500	25,600	**	23,700	28,800	**	**	**	22,100	**	**	**
LOUISVILLE,KY.-IND.	19,700	**	18,800	18,800	**	**	**	**	**	**	**	**	**	**	**
LOWELL,MASS.-N.H.	22,300	**	23,200	23,200	**	**	**	**	**	**	**	**	**	**	**
LUBBOCK,TEX.	23,400	**	23,300	23,300	**	**	**	**	**	**	**	**	**	**	**
LYNCHBURG,VA.	21,000	**	**	**	**	**	**	**	**	**	**	**	**	**	**
MADISON,WIS.	22,300	**	22,500	22,500	**	**	**	**	**	**	**	**	**	**	**
MAYAGUEZ,P.R.	21,100	**	20,900	20,900	**	**	**	**	**	**	**	**	**	**	**
MEMPHIS,TENN.-ARK.-MISS.	21,900	**	21,500	21,600	**	**	**	**	**	**	**	**	**	**	**
MIAMI,FLA.	22,900	28,600	21,200	21,300	**	**	**	**	**	**	**	**	**	**	**
MILWAUKEE,WIS.	22,000	24,500	21,300	21,500	**	**	**	**	**	**	**	**	**	**	**
MINNEAPOLIS-ST. PAUL,MINN.-WIS.	23,500	25,000	22,500	22,300	**	**	22,200	**	**	**	**	**	**	**	**
MOBILE,ALA.	16,400	**	16,000	16,000	**	**	**	**	**	**	**	**	**	**	**
MUNCIE,IND.	21,500	**	21,100	21,100	**	**	**	**	**	**	**	**	**	**	**
NASHVILLE-DAVIDSON,TENN.	19,700	**	18,900	18,900	**	**	**	**	**	**	**	**	**	**	**
NASSAU-SUFFOLK,N.Y.	24,700	28,300	24,100	24,000	**	25,800	**	22,600	**	**	**	**	**	**	**
NEW BEDFORD,MASS.	27,000	**	**	**	**	**	**	**	**	**	**	**	**	**	**
NEW BRUNSWICK-PERTH AMBOY-SAYREVILLE,N.J.	25,900	25,600	26,400	26,500	**	**	**	**	**	**	**	**	**	**	**
NEW HAVEN-WEST HAVEN,CONN.	21,200	**	20,700	20,700	**	**	**	**	**	**	**	**	**	**	**
NEW LONDON-NORWICH,CONN.-R.I.	23,700	26,200	**	**	**	**	**	**	**	**	**	**	**	**	**
NEW ORLEANS,LA.	20,100	**	19,200	19,200	**	**	**	**	**	**	**	**	**	**	**
NEW YORK,N.Y.-N.J.	25,600	30,400	24,000	24,100	23,200	**	22,400	25,000	**	**	27,000	22,700	**	**	**
NEWARK,N.J.	26,800	27,600	22,900	22,900	**	**	**	**	**	**	**	**	**	**	**
NEWPORT NEWS-HAMPTON,VA.	22,000	**	18,900	18,900	**	**	**	**	**	**	**	**	**	**	**
NORFOLK-VIRGINIA BEACH-PORTSMOUTH,VA.-N.C.	20,400	**	20,400	20,400	**	**	**	**	**	**	**	**	**	**	**
NORTHEAST PENNSYLVANIA	20,900	**	21,800	22,300	**	**	**	**	**	**	**	**	**	**	**
OKLAHOMA CITY,OKLA.	21,200	**	20,100	20,100	**	**	**	**	**	**	**	**	**	**	**
OMAHA,NEBR.-IOWA	19,000	**	18,500	18,500	**	**	**	**	**	**	**	**	**	**	**
ORLANDO,FLA.	20,100	**	19,200	19,300	**	**	**	**	**	**	**	**	**	**	**
OXNARD-SIMI VALLEY-VENTURA,CALIF.	24,200	25,200	**	**	**	**	**	**	**	**	**	**	**	**	**
PATERSON-CLIFTON-PASSAIC,N.J.	28,400	30,500	**	**	**	**	**	**	**	**	**	**	**	**	**
PENSACOLA,FLA.	24,400	**	**	**	**	**	**	**	**	**	**	**	**	**	**
PEORIA,ILL.	25,300	**	**	**	**	**	**	**	**	**	**	**	**	**	**
PHILADELPHIA,PA.-N.J.	23,500	25,700	21,800	22,000	**	**	19,900	22,700	25,100	**	**	**	**	**	**
PHOENIX,ARIZ.	23,300	25,800	22,700	22,700	**	**	**	**	**	**	**	**	**	**	**
PITTSBURGH,PA.	24,600	26,600	22,200	22,400	**	**	**	**	**	**	**	**	**	**	**
PORTLAND,OREG.-WASH.	20,300	**	20,200	20,200	**	**	**	**	**	**	**	**	**	**	**
POUGHKEEPSIE,N.Y.	24,600	27,500	19,200	18,800	**	**	**	**	**	**	**	**	**	**	**
PROVIDENCE-WARWICK-PAWTUCKET,R.I.-MASS.	22,400	**	21,400	21,600	**	**	**	**	**	**	**	**	**	**	**
PROVO-OREM,UTAH	20,800	**	20,700	20,700	**	**	**	**	**	**	**	**	**	**	**
RALEIGH-DURHAM,N.C.	23,400	24,800	23,100	23,200	**	**	**	**	23,000	**	**	**	**	**	**
READING,PA.	25,200	**	**	**	**	**	**	**	**	**	**	**	**	**	**
RENO,NEV.	18,900	**	19,100	19,100	**	**	**	**	**	**	**	**	**	**	**
RICHLAND-KENNEWICK,WASH.	22,500	**	**	**	**	**	**	21,800	**	**	**	**	**	**	**
RICHMOND,VA.	24,000	25,900	20,700	20,700	**	**	**	**	**	**	**	**	**	**	**
RIVERSIDE-SAN BERNARDINO-ONTARIO,CALIF.	19,500	**	19,300	19,300	**	**	**	**	**	**	**	**	**	**	**
ROANOKE,VA.	20,400	**	**	**	**	**	**	**	**	**	**	**	**	**	**
ROCHESTER,N.Y.	25,500	30,300	21,900	22,100	**	**	**	**	**	**	**	**	**	**	**
SACRAMENTO,CALIF.	23,400	**	23,300	23,100	**	**	**	**	**	**	**	**	**	**	**
ST. CLOUD,MINN.	22,100	**	**	**	**	**	**	**	**	**	**	**	**	**	**
ST. LOUIS,MO.-ILL.	23,500	26,800	20,700	20,900	**	**	**	**	**	**	**	**	**	**	**
SALEM,OREG.	20,300	**	**	**	**	**	**	**	**	**	**	**	**	**	**
SALINAS-SEASIDE-MONTEREY,CALIF.	26,200	**	28,500	28,600	**	**	**	**	**	**	**	**	**	**	**
SALT LAKE CITY-OGDEN,UTAH.	20,900	24,300	20,100	20,100	**	**	**	**	**	**	**	**	**	**	**
SAN ANTONIO,TEX.	24,100	**	22,000	22,000	**	**	**	**	**	**	**	**	**	**	**
SAN DIEGO,CALIF.	23,000	26,100	22,600	21,700	**	**	**	**	23,300	**	**	**	**	**	**
SAN FRANCISCO-OAKLAND,CALIF.	24,700	27,300	23,900	23,900	23,500	**	20,500	24,700	26,000	**	**	**	**	**	**
SAN JOSE,CALIF.	26,100	26,600	25,000	25,000	**	**	**	**	27,500	**	**	**	**	**	**
SAN JUAN,P.R.	20,200	**	19,600	19,600	**	**	**	**	**	**	**	**	**	**	**
SANTA BARBARA-SANTA MARIA-LOMPOC,CALIF.	24,100	25,600	22,700	22,600	**	**	**	**	**	**	**	**	**	**	**
SANTA CRUZ,CALIF.	19,300	**	20,300	20,300	**	**	**	**	**	**	**	**	**	**	**
SAVANNAH,GA.	19,600	**	**	**	**	**	**	**	**	**	**	**	**	**	**
SEATTLE-EVERETT,WASH.	22,700	24,900	22,300	22,400	**	**	**	**	**	**	**	**	**	**	**
SOUTH BEND,IND.	20,800	**	20,700	20,600	**	**	**	**	**	**	**	**	**	**	**
SPOKANE,WASH.	21,000	**	**	**	**	**	**	**	**	**	**	**	**	**	**
SPRINGFIELD,ILL.	19,200	**	**	**	**	**	**	**	**	**	**	**	**	**	**
SPRINGFIELD,MO.	19,900	**	19,600	19,600	**	**	**	**	**	**	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

TABLE B-23. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN
CONTINUED STATISTICAL AREA AND TYPE OF EMPLOYER: 1975

LOCATION	TOTAL	BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS TOTAL	4-YEAR COLL/ UNIV.	2-YEAR COLL.	ELEM/ SEC. SCHOOL	HOSPITAL/ CLINIC	NON-PROFIT ORGS.	FEDERAL GOV'T	MILITARY/ COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
SPRINGFIELD-CHICOPEE-HOLYOKE,MASS.-CONN.......	17,600	**	15,700	15,700	**	**	**	**	**	**	**	**	**	**	**
STAMFORD,CONN..............	23,300	23,900	**	**	**	**	**	**	**	**	**	**	**	**	**
STOCKTON,CALIF.............	18,400	**	**	**	**	**	**	**	**	**	**	**	**	**	**
SYRACUSE,N.Y...............	23,300	26,000	22,900	23,100	**	**	**	**	**	**	**	**	**	**	**
TACOMA,WASH................	19,400	**	**	**	**	**	**	**	**	**	**	**	**	**	**
TALLAHASSEE,FLA............	23,600	**	23,900	24,000	**	**	**	**	**	**	**	**	**	**	**
TAMPA-ST. PETERSBURG,FLA..	21,500	**	20,900	20,900	**	**	**	**	**	**	**	**	**	**	**
TERRE HAUTE,IND............	22,200	**	22,500	22,500	**	**	**	**	**	**	**	**	**	**	**
TOLEDO,OHIO-MICH...........	21,800	22,500	21,700	21,900	**	**	**	**	**	**	**	**	**	**	**
TRENTON,N.J................	24,400	25,500	20,000	19,800	**	**	**	27,000	**	**	**	**	**	**	**
TUCSON,ARIZ................	22,500	**	21,900	21,800	**	**	**	**	**	**	**	**	**	**	**
TULSA,OKLA.................	23,200	25,000	19,300	19,000	**	**	**	**	**	**	**	**	**	**	**
TUSCALOOSA,ALA.............	22,700	**	22,600	22,700	**	**	**	**	**	**	**	**	**	**	**
UTICA-ROME,N.Y.............	16,800	**	**	**	**	**	**	**	**	**	**	**	**	**	**
WASHINGTON,D.C.-MD.-VA....	27,500	28,000	22,700	22,600	24,300	**	20,900	29,100	28,700	**	**	32,300	**	**	**
WEST PALM BEACH-BOCA RATON,FLA..........	25,100	**	**	**	**	**	**	**	**	**	**	**	**	**	**
WICHITA,KANS...............	21,500	**	19,900	19,900	**	**	**	**	**	**	**	**	**	**	**
WILMINGTON,DEL.-N.J.-MD...	27,100	28,000	21,200	21,200	**	**	**	**	**	**	**	**	**	**	**
WORCESTER,MASS.............	18,800	20,300	18,400	18,400	**	**	**	**	**	**	**	**	**	**	**
YOUNGSTOWN-WARREN,OHIO....	22,700	**	21,600	21,600	**	**	**	**	**	**	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

NOTE: MEDIAN SALARIES COMPUTED ONLY FOR FULL-TIME EMPLOYED CIVILIANS

SOURCE: NATIONAL SCIENCE FOUNDATION

The following SMSA's had fewer than 20 full-time employed civilian cases reporting salary:

Abilene, Tex.
Albany, Ga.
Alexandria, La.
Altoona, Pa.
Amarillo, Tex.
Anchorage, Alaska
Anderson, Ind.
Anniston, Ala.
Asheville, N.C.
Atlantic City, N.J.
Battle Creek, Mich.
Bay City, Mich.
Billings, Mont.
Biloxi-Gulfport, Miss.
Boise City, Idaho
Bristol, Conn.
Brockton, Mass.
Brownsville-Harlingen-San Benito, Tex
Burlington, N.C.
Caguas, P.R.
Canton, Ohio
Cedar Rapids, Iowa
Clarksville-Hopkinsville, Tenn.-Ky.
Columbus, Ga.-Ala.
Corpus Christi, Tex.
Danbury, Conn.
Davenport-Rock Island-Moline, Iowa-Ill.
Daytona, Beach, Fla.
Decatur, Ill.
Dubuque, Iowa
Elmira, N.Y.
Fall River, Mass.-R.I.
Fayetteville, N.C.
Fitchburg-Leominster, Mass.
Flint, Mich.
Florence, Ala.
Fort Lauderdale-Hollywood, Fla.
Fort Myers, Fla.
Fort Smith, Ark.-Okla.
Gadsden, Ala.
Great Falls, Mont.
Green Bay, Wis.
Huntington-Ashland, W.Va.-Ky.-Ohio
Jackson, Mich.
Johnstown, Pa.
Kankakee, Ill.
Kenosha, Wis.
Killeen-Temple, Tex.
La Crosse, Wis.
Lake Charles, La.
Lakeland-Winter Haven, Fla.
Laredo, Tex.
Lawrence-Haverhill, Mass.-N.H.
Lawton, Okla.
Lewiston-Auburn, Maine
Lima, Ohio
Lorain-Elyria, Ohio
Macon, Ga.
Manchester, N.H.
Mansfield, Ohio
McAllen-Pharr-Edinburg, Tex.
Melbourne-Titusville-Cocoa, Fla.
Meriden, Conn.
Midland, Tex.
Modesto, Calif.
Monroe, La.
Montgomery, Ala.
Muskegon-Muskegon Heights, Mich.
Nashua, N.H.
New Britain, Conn.
Norwalk, Conn.
Odessa, Tex.
Owensboro, Ky.
Parkersburg-Marietta, W.Va.-Ohio
Petersburg-Colonial Heights-Hopewell, Va.
Pine Bluff, Ark.
Pittsfield, Mass.
Ponce, P.R.
Portland, Maine
Pueblo, Colo.
Racine, Wis.
Rochester, Minn.
Rockford, Ill.
Saginaw, Mich.
St. Joseph, Mo.
San Angelo, Tex.
Santa Rosa, Calif.
Sarasota, Fla.
Sherman-Denison, Tex.
Shreveport, La.
Sioux City, Iowa-Nebr.
Sioux Falls, S. Dak.
Springfield, Ohio
Steubenville-Weirton, Ohio-W.Va.
Texarkana, Tex.-Texarkana, Ark.
Topeka, Kans.
Tyler, Tex.
Vallejo-Fairfield-Napa, Calif.
Vineland-Millville-Bridgeton, N.J.
Waco, Tex.
Waterbury, Conn.
Waterloo-Cedar Falls, Iowa
Wheeling, W.Va.-Ohio
Wichita Falls, Tex.
Williamsport, Pa.
Wilmington, N.C.
Yakima, Wash.
York, Pa.

TABLE B-24. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND PRIMARY WORK ACTIVITY: 1975

		RESEARCH AND DEVELOPMENT				....MANAGEMENT OR ADMIN....									
LOCATION	TOTAL	TOTAL	BASIC RESEARCH	APPL'D RESEARCH	DEVELOPMENT	TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH	TEACHING	CONSULTING	SALES/ PROF. SERVICES	OTHER	NOT EMPLOYED	NO REPORT
TOTAL,ALL LOCATIONS	23,100	23,000	22,200	23,300	23,600	29,500	30,100	27,800	30,200	2[illegible]600	25,400	21,900	22,100	**	23,700
TOTAL,SMSA'S	23,700	23,200	22,400	23,700	23,700	30,000	30,300	28,500	30,600	2[illegible]400	25,500	22,600	22,600	**	24,300
AKRON,OHIO	22,100	21,100	**	20,900	**	24,300	**	**	**	21,800	**	**	**	**	**
ALBANY-SCHENECTADY-TROY,N.Y.	25,400	24,100	22,500	25,600	**	32,500	33,300	31,100	**	21,100	**	**	**	**	**
ALBUQUERQUE,N.MEX	25,400	25,600	22,700	26,500	**	30,300	30,700	**	**	22,100	**	**	**	**	**
ALLENTOWN-BETHLEHEM-EASTON,PA.-N.J	23,700	23,500	**	**	**	35,200	**	**	**	20,400	**	**	**	**	**
ANAHEIM-SANTA ANA-GARDEN GROVE,CALIF	24,300	25,300	19,100	26,200	27,200	27,100	28,500	**	**	20,300	**	**	**	**	**
ANN ARBOR,MICH	25,200	24,200	24,600	24,000	**	32,000	**	**	**	25,100	**	**	**	**	**
APPLETON-OSHKOSH,WIS	20,100	**	**	**	**	**	**	**	**	18,400	**	**	**	**	**
ATLANTA,GA	21,900	21,500	21,100	**	**	29,000	26,200	29,600	**	20,200	**	**	**	**	**
AUGUSTA,GA.-S.C	24,000	**	**	**	**	**	**	**	**	**	**	**	**	**	**
AUSTIN,TEX	22,800	19,200	19,600	**	**	29,600	**	**	**	23,200	**	**	**	**	**
BAKERSFIELD,CALIF	23,700	**	**	**	**	**	**	**	**	**	**	**	**	**	**
BALTIMORE,MD	23,200	22,200	21,000	24,100	**	28,400	28,600	**	**	21,000	**	**	**	**	**
BATON ROUGE,LA	23,900	22,700	**	22,400	**	27,500	**	**	**	22,800	**	**	**	**	**
BEAUMONT-PORT ARTHUR-ORANGE,TEX	24,300	**	**	**	**	**	**	**	**	**	**	**	**	**	**
BINGHAMTON,N.Y.-PA	27,100	**	**	**	**	**	**	**	**	27,600	**	**	**	**	**
BIRMINGHAM,ALA	21,300	**	**	**	**	**	**	**	**	21,100	**	**	**	**	**
BLOOMINGTON-NORMAL,ILL	22,300	**	**	**	**	**	**	**	**	22,000	**	**	**	**	**
BOSTON,MASS	24,000	23,700	20,600	25,200	24,100	32,300	30,600	33,600	33,300	21,100	26,100	20,700	22,100	**	21,100
BRIDGEPORT,CONN	22,100	**	**	**	**	**	**	**	**	21,300	**	**	**	**	**
BRYAN-COLLEGE STATION,TEX.	24,000	21,700	**	20,800	**	29,700	**	**	**	24,000	**	**	**	**	**
BUFFALO,N.Y	25,100	23,700	23,700	23,600	**	29,300	30,000	**	**	22,800	**	**	**	**	**
CHAMPAIGN-URBANA-RANTOUL,ILL	23,000	21,800	22,100	2[illegible]700	**	28,800	**	**	**	22,300	**	**	**	**	**
CHARLESTON-NORTH CHARLESTON,S.C	23,300	**	**	**	**	**	**	**	**	19,600	**	**	**	**	**
CHARLESTON,W.VA	27,000	**	**	**	**	**	**	**	**	**	**	**	**	**	**
CHARLOTTE-GASTONIA,N.C	19,700	**	**	**	**	**	**	**	**	17,300	**	**	**	**	**
CHATTANOOGA,TENN.-GA	18,000	**	**	**	**	**	**	**	**	**	**	**	**	**	**
CHICAGO,ILL	23,900	22,600	22,700	22,700	21,900	30,700	30,700	27,700	33,900	21,000	26,000	24,800	19,900	**	24,800
CINCINNATI,OHIO-KY.-IND	21,900	21,700	19,900	22,900	**	27,300	27,500	**	**	18,500	**	**	**	**	**
CLEVELAND,OHIO	23,900	23,400	21,000	24,000	**	28,900	29,200	**	**	20,300	**	19,000	**	**	**
COLORADO SPRINGS,COLO	22,400	**	**	**	**	**	**	**	**	19,500	**	**	**	**	**
COLUMBIA,MO	21,500	22,200	22,700	**	**	**	**	**	**	20,600	**	**	**	**	**
COLUMBIA,S.C	23,600	**	**	**	**	**	**	**	**	22,800	**	**	**	**	**
COLUMBUS,OHIO	22,100	20,700	19,600	21,200	**	27,800	28,000	**	**	21,700	**	**	**	**	**
DALLAS-FORT WORTH,TEX	23,700	23,800	21,200	26,800	23,500	27,100	26,400	30,400	**	22,000	**	**	**	**	**
DAYTON,OHIO	21,600	22,800	24,500	21,900	**	25,500	25,400	**	**	18,000	**	**	**	**	**
DENVER-BOULDER,COLO	23,100	24,200	23,500	24,500	**	28,100	28,400	29,800	**	20,400	**	**	**	**	**
DES MOINES,IOWA	22,800	**	**	**	**	**	**	**	**	22,000	**	**	**	**	**
DETROIT,MICH	22,900	22,000	20,100	23,000	**	29,600	28,800	28,800	**	20,900	**	**	**	**	**
DULUTH-SUPERIOR,MINN.-WIS.	20,400	**	**	**	**	**	**	**	**	20,200	**	**	**	**	**
EL PASO,TEX	20,700	**	**	**	**	**	**	**	**	20,500	**	**	**	**	**
ERIE,PA	23,600	**	**	**	**	**	**	**	**	23,400	**	**	**	**	**
EUGENE-SPRINGFIELD,OREG	20,000	**	**	**	**	**	**	**	**	19,700	**	**	**	**	**
EVANSVILLE,IND.-KY	26,200	**	**	**	**	**	**	**	**	**	**	**	**	**	**
FARGO-MOORHEAD,N.DAK-MINN.	20,600	19,400	**	**	**	**	**	**	**	20,000	**	**	**	**	**
FAYETTEVILLE-SPRINGDALE,ARK	19,600	**	**	**	**	**	**	**	**	19,400	**	**	**	**	**
FORT WAYNE,IND	18,700	**	**	**	**	**	**	**	**	**	**	**	**	**	**
FRESNO,CALIF	23,600	**	**	**	**	**	**	**	**	23,200	**	**	**	**	**
GAINESVILLE,FLA	22,100	20,800	21,200	20,100	**	**	**	**	**	22,600	**	**	**	**	**
GALVESTON-TEXAS CITY,TEX	24,200	**	**	**	**	**	**	**	**	**	**	**	**	**	**
GARY-HAMMOND-EAST CHICAGO,IND	20,900	**	**	**	**	**	**	**	**	**	**	**	**	**	**
GRAND RAPIDS,MICH	19,400	**	**	**	**	**	**	**	**	18,500	**	**	**	**	**
GREENSBORO-WINSTON-SALEM-HIGH POINT,N.C	22,000	22,500	**	**	**	30,300	**	**	**	19,800	**	**	**	**	**
GREENVILLE-SPARTANBURG,S.C	22,300	**	**	**	**	27,500	**	**	**	20,100	**	**	**	**	**
HAMILTON-MIDDLETOWN,OHIO	21,600	**	**	**	**	**	**	**	**	19,000	**	**	**	**	**
HARRISBURG,PA	21,400	**	**	**	**	**	**	**	**	20,100	**	**	**	**	**
HARTFORD,CONN	22,100	21,200	**	**	**	29,300	30,100	**	**	19,600	**	**	**	**	**
HONOLULU,HAWAII	22,200	22,400	25,000	**	**	28,700	**	**	**	19,600	**	**	**	**	**
HOUSTON,TEX	25,700	24,500	21,900	25,500	25,200	32,800	32,700	35,000	**	23,000	**	**	**	**	**
HUNTSVILLE,ALA	24,500	22,500	**	**	**	**	**	**	**	**	**	**	**	**	**
INDIANAPOLIS,IND	24,300	26,200	25,200	27,400	**	38,500	39,700	**	**	17,500	**	**	**	**	**
JACKSON,MISS	19,400	**	**	**	**	**	**	**	**	18,300	**	**	**	**	**
JACKSONVILLE,FLA	18,500	**	**	**	**	**	**	**	**	**	**	**	**	**	**
JERSEY CITY,N.J	21,600	**	**	**	**	**	**	**	**	20,900	**	**	**	**	**
KALAMAZOO-PORTAGE,MICH	26,200	25,900	**	**	**	36,500	36,300	**	**	18,700	**	**	**	**	**
KANSAS CITY,MO.-KANS	21,000	21,200	**	**	**	24,500	**	**	**	18,600	**	**	**	**	**
KINGSPORT-BRISTOL,TENN-VA.	23,500	**	**	**	**	**	**	**	**	**	**	**	**	**	**
KNOXVILLE,TENN	23,100	22,500	23,200	22,100	**	26,800	**	**	**	20,000	**	**	**	**	**
LAFAYETTE,LA	22,000	**	**	**	**	**	**	**	**	**	**	**	**	**	**
LAFAYETTE-WEST LAFAYETTE,IND	23,200	22,000	22,700	20,100	**	31,600	**	**	**	23,200	**	**	**	**	**
LANCASTER,PA	22,900	**	**	**	**	**	**	**	**	23,000	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

TABLE B-24. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND PRIMARY WORK ACTIVITY: 1975
CONTINUED

		RESEARCH AND DEVELOPMENT				....MANAGEMENT OR ADMIN....									
LOCATION	TOTAL	TOTAL	BASIC RESEARCH	APPL'D RESEARCH	DEVELOPMENT	TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH	TEACHING	CONSULTING	SALES/ PROF. SERVICES	OTHER	NOT EMPLOYED	NO REPORT
LANSING-EAST LANSING,MICH.	23,700	22,900	24,000	22,400	**	28,100	**	**	**	23,800	**	**	**	**	**
LAS VEGAS,NEV	20,100	**	**	**	**	**	**	**	**	**	**	**	**	**	**
LEXINGTON-FAYETTE,KY	20,600	22,200	22,000	**	**	**	**	**	**	18,600	**	**	**	**	**
LINCOLN,NEBR	20,400	20,200	**	**	**	**	**	**	**	20,200	**	**	**	**	**
LITTLE ROCK-NORTH LITTLE ROCK,ARK	21,800	**	**	**	**	**	**	**	**	**	**	**	**	**	**
LONG BRANCH-ASBURY PARK,N.J	25,700	24,700	**	24,500	**	33,200	33,000	**	**	**	**	**	**	**	**
LOS ANGELES-LONG BEACH,CALIF	24,700	24,300	22,300	25,300	24,900	30,000	30,700	25,500	31,800	21,800	30,300	24,800	24,100	**	**
LOUISVILLE,KY.-IND	19,700	**	**	**	**	**	**	**	**	18,400	**	**	**	**	**
LOWELL,MASS.-N.H	22,300	**	**	**	**	**	**	**	**	22,400	**	**	**	**	**
LUBBOCK,TEX	23,400	**	**	**	**	**	**	**	**	22,600	**	**	**	**	**
LYNCHBURG,VA	21,000	**	**	**	**	**	**	**	**	**	**	**	**	**	**
MADISON,WIS	22,300	21,100	22,000	20,100	**	26,400	**	**	**	22,400	**	**	**	**	**
MAYAGUEZ,P.R	21,100	**	**	**	**	**	**	**	**	21,300	**	**	**	**	**
MEMPHIS,TENN.-ARK.-MISS	21,900	18,900	**	**	**	**	**	**	**	22,500	**	**	**	**	**
MIAMI,FLA	22,900	23,200	22,300	**	**	34,700	**	**	**	19,600	**	**	**	**	**
MILWAUKEE,WIS	22,000	20,800	**	**	**	26,300	**	**	**	21,200	**	**	**	**	**
MINNEAPOLIS-ST. PAUL,MINN.-WIS	23,500	20,900	20,200	21,400	**	28,000	27,500	28,100	**	22,900	**	24,900	**	**	**
MOBILE,ALA	16,400	**	**	**	**	**	**	**	**	15,500	**	**	**	**	**
MUNCIE,IND	21,500	**	**	**	**	**	**	**	**	20,500	**	**	**	**	**
NASHVILLE-DAVIDSON,TENN	19,700	18,600	18,300	**	**	26,000	**	**	**	18,800	**	**	**	**	**
NASSAU-SUFFOLK,N.Y	24,700	24,200	24,100	23,000	**	30,200	**	**	**	21,500	**	24,200	**	**	**
NEW BEDFORD,MASS	27,000	**	**	**	**	**	**	**	**	**	**	**	**	**	**
NEW BRUNSWICK-PERTH AMBOY-SAYREVILLE,N.J	25,900	24,500	25,500	24,400	**	28,300	28,500	**	**	26,300	**	**	**	**	**
NEW HAVEN-WEST HAVEN,CONN.	21,200	19,900	20,100	**	**	26,300	**	**	**	19,800	**	**	**	**	**
NEW LONDON-NORWICH,CONN.-R.I	23,700	23,600	**	**	**	**	**	**	**	**	**	**	**	**	**
NEW ORLEANS,LA	20,100	19,400	**	**	**	**	**	**	**	19,400	**	**	**	**	**
NEW YORK,N.Y.-N.J	25,600	24,000	24,100	24,800	22,700	33,800	32,500	33,600	39,100	23,000	30,700	25,700	25,200	**	24,500
NEWARK,N.J	26,800	25,500	26,100	25,500	25,200	31,900	32,900	28,900	**	22,400	**	25,200	**	**	**
NEWPORT NEWS-HAMPTON,VA	22,000	**	**	**	**	**	**	**	**	19,400	**	**	**	**	**
NORFOLK-VIRGINIA BEACH-PORTSMOUTH,VA.-N.C	20,400	**	**	**	**	**	**	**	**	20,100	**	**	**	**	**
NORTHEAST PENNSYLVANIA	20,900	**	**	**	**	**	**	**	**	22,000	**	**	**	**	**
OKLAHOMA CITY,OKLA	21,200	**	**	**	**	30,900	**	**	**	19,300	**	**	**	**	**
OMAHA,NEBR.-IOWA	19,000	**	**	**	**	**	**	**	**	18,600	**	**	**	**	**
ORLANDO,FLA	20,100	**	**	**	**	**	**	**	**	18,400	**	**	**	**	**
OXNARD-SIMI VALLEY-VENTURA,CALIF	24,200	**	**	**	**	**	**	**	**	**	**	**	**	**	**
PATERSON-CLIFTON-PASSAIC,N.J	28,400	**	**	**	**	**	**	**	**	**	**	**	**	**	**
PENSACOLA,FLA	24,400	**	**	**	**	**	**	**	**	**	**	**	**	**	**
PEORIA,ILL	25,300	**	**	**	**	**	**	**	**	**	**	**	**	**	**
PHILADELPHIA,PA.-N.J	23,500	22,800	22,300	23,300	23,600	28,200	28,800	27,300	28,100	20,800	**	22,800	22,400	**	22,200
PHOENIX,ARIZ	23,300	22,700	**	**	**	**	**	**	**	22,500	**	**	**	**	**
PITTSBURGH,PA	24,600	22,800	21,300	23,600	23,600	30,500	30,400	30,300	**	21,800	**	**	**	**	**
PORTLAND,OREG.-WASH	20,300	17,800	**	**	**	**	**	**	**	20,700	**	**	**	**	**
POUGHKEEPSIE,N.Y	24,600	25,300	**	**	**	**	**	**	**	18,400	**	**	**	**	**
PROVIDENCE-WARWICK-PAWTUCKET,R.I.-MASS	22,400	19,900	19,600	**	**	**	**	**	**	21,600	**	**	**	**	**
PROVO-OREM,UTAH	20,800	**	**	**	**	**	**	**	**	21,000	**	**	**	**	**
RALEIGH-DURHAM,N.C	23,400	22,200	21,700	23,000	**	30,300	28,300	**	**	22,500	**	**	**	**	**
READING,PA	25,200	**	**	**	**	**	**	**	**	**	**	**	**	**	**
RENO,NEV	18,900	**	**	**	**	**	**	**	**	**	**	**	**	**	**
RICHLAND-KENNEWICK,WASH	22,500	21,[illegible]00	**	21,800	**	**	**	**	**	**	**	**	**	**	**
RICHMOND,VA	24,000	24,700	**	**	**	30,300	**	**	**	20,000	**	**	**	**	**
RIVERSIDE-SAN BERNARDINO-ONTARIO,CALIF	19,500	19,200	19,200	**	**	**	**	**	**	19,100	**	**	**	**	**
ROANOKE,VA	20,400	**	**	**	**	**	**	**	**	**	**	**	**	**	**
ROCHESTER,N.Y	25,500	24,700	22,700	25,800	**	40,200	40,800	**	**	21,700	**	**	**	**	**
SACRAMENTO,CALIF	23,400	21,800	21,000	24,000	**	29,200	**	**	**	24,500	**	**	**	**	**
ST. CLOUD,MINN	22,100	**	**	**	**	**	**	**	**	**	**	**	**	**	**
ST. LOUIS,MO.-ILL	23,500	22,800	22,700	25,400	**	30,300	30,700	27,700	**	19,900	**	**	**	**	**
SALEM,OREG	20,300	**	**	**	**	**	**	**	**	**	**	**	**	**	**
SALINAS-SEASIDE-MONTEREY,CALIF	26,200	**	**	**	**	**	**	**	**	28,200	**	**	**	**	**
SALT LAKE CITY-OGDEN,UTAH.	20,900	20,600	20,000	**	**	25,500	27,500	**	**	19,500	**	**	**	**	**
SAN ANTONIO,TEX	24,100	**	**	**	**	28,700	**	**	**	20,500	**	**	**	**	**
SAN DIEGO,CALIF	23,000	20,900	19,200	21,700	**	27,700	28,500	**	**	23,900	**	**	**	**	**
SAN FRANCISCO-OAKLAND,CALIF	24,700	24,000	23,000	24,300	24,400	29,100	29,200	28,000	32,100	24,100	22,100	20,200	22,000	**	**
SAN JOSE,CALIF	26,100	24,300	24,300	24,300	24,200	30,900	30,700	31,600	**	25,300	**	25,400	**	**	**
SAN JUAN,P.R	20,200	**	**	**	**	**	**	**	**	19,500	**	**	**	**	**
SANTA BARBARA-SANTA MARIA-LOMPOC,CALIF	24,[illegible]00	22,600	**	**	**	**	**	**	**	22,700	**	**	**	**	**
SANTA CRUZ,CALIF	19,300	**	**	**	**	**	**	**	**	**	**	**	**	**	**
SAVANNAH,GA	19,600	**	**	**	**	**	**	**	**	**	**	**	**	**	**
SEATTLE-EVERETT,WASH	22,700	21,300	18,900	23,100	**	25,800	28,000	**	**	22,400	**	**	**	**	**
SOUTH BEND,IND	20,800	**	**	**	**	**	**	**	**	19,500	**	**	**	**	**
SPOKANE,WASH	21,000	**	**	**	**	**	**	**	**	**	**	**	**	**	**
SPRINGFIELD,ILL	19,200	**	**	**	**	**	**	**	**	**	**	**	**	**	**
SPRINGFIELD,MO	19,900	**	**	**	**	**	**	**	**	**	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

TABLE B-24. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS, BY STANDARD METROPOLITAN STATISTICAL AREA AND PRIMARY WORK ACTIVITY: 1975

CONTINUED

		RESEARCH AND DEVELOPMENT				....MANAGEMENT OR ADMIN....									
LOCATION	TOTAL	TOTAL	BASIC RE-SEARCH	APPL'D RE-SEARCH	DEVEL-OPMENT	TOTAL:	OF R&D	OF OTHER THAN R&D	OF BOTH	TEACH-ING	CON-SULT-ING	SALES/ PROF. SER-VICES	OTHER	NOT EM-PLOYED	NO REPORT
SPRINGFIELD-CHICOPEE-HOLYOKE,MASS.-CONN.	17,600	**	**	**	**	**	**	**	**	15,600	**	**	**	**	**
STAMFORD,CONN.	23,300	22,000	**	22,600	**	**	**	**	**	**	**	**	**	**	**
STOCKTON,CALIF.	18,400	**	**	**	**	**	**	**	**	**	**	**	**	**	**
SYRACUSE,N.Y.	23,300	23,200	23,100	**	**	32,000	**	**	**	22,300	**	**	**	**	**
TACOMA,WASH.	19,400	**	**	**	**	**	**	**	**	**	**	**	**	**	**
TALLAHASSEE,FLA.	23,600	**	**	**	**	**	**	**	**	24,300	**	**	**	**	**
TAMPA-ST. PETERSBURG,FLA.	21,500	**	**	**	**	**	**	**	**	20,400	**	**	**	**	**
TERRE HAUTE,IND.	22,200	**	**	**	**	**	**	**	**	22,100	**	**	**	**	**
TOLEDO,OHIO-MICH.	21,800	**	**	**	**	**	**	**	**	21,000	**	**	**	**	**
TRENTON,N.J.	24,400	23,100	22,700	23,300	**	31,700	32,600	**	**	20,000	**	**	**	**	**
TUCSON,ARIZ.	22,500	23,200	21,000	**	**	29,600	**	**	**	21,600	**	**	**	**	**
TULSA,OKLA.	23,200	**	**	**	**	**	**	**	**	**	**	**	**	**	**
TUSCALOOSA,ALA.	22,700	**	**	**	**	**	**	**	**	22,100	**	**	**	**	**
UTICA-ROME,N.Y.	16,800	**	**	**	**	**	**	**	**	**	**	**	**	**	**
WASHINGTON,D.C.-MD.-VA.	27,500	24,600	24,700	24,800	21,800	32,800	32,700	32,700	33,700	21,700	32,300	23,500	25,700	**	27,300
WEST PALM BEACH-BOCA RATON,FLA.	25,100	**	**	**	**	**	**	**	**	**	**	**	**	**	**
WICHITA,KANS.	21,500	**	**	**	**	**	**	**	**	**	**	**	**	**	**
WILMINGTON,DEL.-N.J.-MD.	27,100	25,700	26,200	25,600	25,100	34,900	34,700	**	**	21,300	**	28,000	25,700	**	**
WORCESTER,MASS.	18,800	19,300	**	**	**	**	**	**	**	18,400	**	**	**	**	**
YOUNGSTOWN-WARREN,OHIO	22,700	**	**	**	**	**	**	**	**	21,200	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

NOTE: MEDIAN SALARIES COMPUTED ONLY FOR FULL-TIME EMPLOYED CIVILIANS

SOURCE: NATIONAL SCIENCE FOUNDATION

The following SMSA's had fewer than 20 full-time employed civilian cases reporting salary:

Abilene, Tex.
Albany, Ga.
Alexandria, La.
Altoona, Pa.
Amarillo, Tex.
Anchorage, Alaska
Anderson, Ind.
Anniston, Ala.
Asheville, N.C.
Atlantic City, N.J.
Battle Creek, Mich.
Bay City, Mich.
Billings, Mont.
Biloxi-Gulfport, Miss.
Boise City, Idaho
Bristol, Conn.
Brockton, Mass.
Brownsville-Harlingen-San Benito, Tex.
Burlington, N.C.
Caguas, P.R.
Canton, Ohio
Cedar Rapids, Iowa
Clarksville-Hopkinsville, Tenn.-Ky.
Columbus, Ga.-Ala.
Corpus Christi, Tex.
Danbury, Conn.
Davenport-Rock Island-Moline, Iowa-Ill.
Daytona Beach, Fla.
Decatur, Ill.
Dubuque, Iowa
Elmira, N.Y.
Fall River, Mass.-R.I.
Fayetteville, N.C.
Fitchburg-Leominster, Mass.
Flint, Mich.
Florence, Ala.
Fort Lauderdale-Hollywood, Fla.
Fort Myers, Fla.
Fort Smith, Ark.-Okla.
Gadsden, Ala.
Great Falls, Mont.
Green Bay, Wis.
Huntington-Ashland, W.Va.-Ky.-Ohio
Jackson, Mich.
Johnstown, Pa.
Kankakee, Ill.
Kenosha, Wis.
Killeen-Temple, Tex.
La Crosse, Wis.
Lake Charles, La.
Lakeland-Winter Haven, Fla.
Laredo, Tex.
Lawrence-Haverhill, Mass.-N.H.
Lawton, Okla.
Lewiston-Auburn, Maine
Lima, Ohio
Lorain-Elyria, Ohio
Macon, Ga.
Manchester, N.H.
Mansfield, Ohio
McAllen-Pharr-Edinburg, Tex.
Melbourne-Titusville-Cocoa, Fla.
Meriden, Conn.
Midland, Tex.
Modesto, Calif.
Monroe, La.
Montgomery, Ala.
Muskegon-Muskegon Heights, Mich.
Nashua, N.H.
New Britain, Conn.
Norwalk, Conn.
Odessa, Tex.
Owensboro, Ky.
Parkersburg-Marietta, W.Va.-Ohio
Petersburg-Colonial Heights-Hopewell, Va.
Pine Bluff, Ark.
Pittsfield, Mass.
Ponce, P.R.
Portland, Maine
Pueblo, Colo.
Racine, Wis.
Rochester, Minn.
Rockford, Ill.
Saginaw, Mich.
St. Joseph, Mo.
San Angelo, Tex.
Santa Rosa, Calif.
Sarasota, Fla.
Sherman-Denison, Tex.
Shreveport, La.
Sioux City, Iowa-Nebr.
Sioux Falls, S. Dak.
Springfield, Ohio
Steubenville-Weirton, Ohio-W.Va.
Texarkana, Tex.-Texarkana, Ark.
Topeka, Kans.
Tyler, Tex.
Vallejo-Fairfield-Napa, Calif.
Vineland-Millville-Bridgeton, N.J.
Waco, Tex.
Waterbury, Conn.
Waterloo-Cedar Falls, Iowa
Wheeling, W.Va.-Ohio
Wichita Falls, Tex.
Williamsport, Pa.
Wilmington, N.C.
Yakima, Wash.
York, Pa.

TABLE B-25. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS WHO ARE UNIVERSITY OR 4-YEAR COLLEGE TEACHERS, BY FIELD, SEX, AND ACADEMIC RANK: 1975

FIELD AND SEX	TOTAL	PROFESSOR	ASSOCIATE PROFESSOR	ASSISTANT PROFESSOR	INSTRUCTOR	LECTURER	OTHER	NO REPORT
ALL FIELDS								
TOTAL	118,404	47,083	35,866	29,254	891	1,087	1,994	2,229
MEN	107,362	44,798	32,827	24,879	629	737	1,678	1,814
WOMEN	11,042	2,285	3,039	4,375	262	350	316	415
PHYSICAL SCIENTISTS								
TOTAL	18,572	8,067	5,639	3,604	149	233	412	468
MEN	17,540	7,836	5,324	3,307	91	177	370	435
WOMEN	1,032	231	315	297	58	56	42	33
CHEMISTS								
TOTAL	10,629	4,667	3,090	2,208	93	116	217	238
MEN	9,814	4,480	2,829	1,567	47	69	185	217
WOMEN	815	187	261	221	46	47	32	21
PHYSICISTS/ASTRONOMERS								
TOTAL	7,943	3,400	2,549	1,396	56	117	195	230
MEN	7,726	3,356	2,495	1,320	44	108	185	218
WOMEN	217	44	54	76	12	9	10	12
MATHEMATICAL SCIENTISTS								
TOTAL	10,826	3,687	3,508	3,169	166	130	76	90
MEN	10,095	3,515	3,303	2,919	123	96	66	73
WOMEN	731	172	205	250	43	34	10	17
MATHEMATICIANS								
TOTAL	9,612	3,265	3,168	2,773	163	119	48	76
MEN	8,934	3,104	2,982	2,542	123	85	39	59
WOMEN	678	161	186	231	40	34	9	17
STATISTICIANS								
TOTAL	1,214	422	340	396	3	11	28	14
MEN	1,161	411	331	377	*	11	27	14
WOMEN	53	11	[illegible]	19	3	*	1	*
COMPUTER SPECIALISTS								
TOTAL	1,422	551	350	439	*	20	46	16
MEN	1,369	541	343	410	*	20	44	11
WOMEN	53	10	7	29	*	*	2	5
ENVIRONMENTAL SCIENTISTS								
TOTAL	4,495	1,831	1,535	989	1	3	107	29
MEN	4,351	1,809	1,510	912	*	*	94	26
WOMEN	144	22	25	77	1	3	13	3
EARTH SCIENTISTS								
TOTAL	3,623	1,573	1,175	759	1	3	91	21
MEN	3,506	1,552	1,155	696	*	*	84	19
WOMEN	117	21	20	63	1	3	7	2
OCEANOGRAPHERS								
TOTAL	591	169	251	165	*	*	6	*
MEN	574	169	247	156	*	*	2	*
WOMEN	17	*	4	9	*	*	4	*
ATMOSPHERIC SCIENTISTS								
TOTAL	281	89	109	65	*	*	10	8
MEN	271	88	108	60	*	*	8	7
WOMEN	10	1	1	5	*	*	2	1
ENGINEERS								
TOTAL	11,942	5,536	3,893	2,138	10	55	191	119
MEN	11,893	5,527	3,883	2,111	9	55	191	117
WOMEN	49	9	10	27	1	*		2
LIFE SCIENTISTS								
TOTAL	32,445	12,610	9,212	8,339	453	196	545	1,090
MEN	28,763	11,823	8,306	6,897	329	114	434	860
WOMEN	3,682	787	906	1,442	124	82	111	230
BIOLOGICAL SCIENTISTS								
TOTAL	22,222	8,145	6,282	6,104	368	137	372	814
MEN	19,263	7,490	5,625	4,925	269	66	279	609
WOMEN	2,959	655	657	1,179	99	71	93	205
AGRICULTURAL SCIENTISTS								
TOTAL	5,156	2,480	1,521	948	6	32	108	61
MEN	5,086	2,466	1,495	931	6	30	101	57
WOMEN	70	14	26	17	*	2	7	4
MEDICAL SCIENTISTS								
TOTAL	5,067	1,985	1,409	1,287	79	27	65	215
MEN	4,414	1,867	1,186	1,041	54	18	54	194
WOMEN	653	118	223	246	25	9	11	21
PSYCHOLOGISTS								
TOTAL	13,511	4,959	4,185	3,735	78	157	228	169
MEN	11,076	4,491	3,485	2,709	46	78	144	123
WOMEN	2,435	468	700	1,026	32	79	84	46
SOCIAL SCIENTISTS								
TOTAL	25,151	9,819	7,529	6,839	34	293	389	248
MEN	22,239	9,234	6,659	5,614	31	197	335	169
WOMEN	2,912	585	870	1,225	3	96	54	79
ECONOMISTS								
TOTAL	6,420	2,723	1,942	1,454	*	88	115	98
MEN	6,043	2,619	1,810	1,335	*	84	107	88
WOMEN	377	104	132	119	*	4	8	10
SOCIOLOGISTS/ANTHRO.								
TOTAL	6,602	2,446	1,942	1,990	*	82	72	70
MEN	5,305	2,197	1,516	1,471	*	37	51	33
WOMEN	1,297	249	426	519	*	45	21	37

*NO CASES REPORTED

TABLE B-25. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS WHO ARE UNIVERSITY OR 4-YEAR COLLEGE TEACHERS,
CONTINUED BY FIELD, SEX, AND ACADEMIC RANK: 1975

FIELD AND SEX	TOTAL	PROFESSOR	ASSOCIATE PROFESSOR	ASSISTANT PROFESSOR	INSTRUCTOR	LECTURER	OTHER	NO REPORT
OTHER SOCIAL SCIENTISTS								
TOTAL....................	12,129	4,650	3,645	3,395	34	123	202	80
MEN....................	10,891	4,418	3,333	2,808	31	76	177	48
WOMEN....................	1,238	232	312	587	3	47	25	32
NO REPORT								
TOTAL....................	40	23	15	2	*	*	*	*
MEN....................	36	22	14	*	*	*	*	*
WOMEN....................	4	1	1	2	*	*	*	*

* NO CASES REPORTED

NOTE: INCLUDES INDIVIDUALS REPORTING TEACHING AS THEIR PRIMARY OR SECONDARY WORK ACTIVITY

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-26. MEDIAN ANNUAL SALARIES OF DOCTORAL SCIENTISTS AND ENGINEERS WHO ARE UNIVERSITY OR 4-YEAR COLLEGE TEACHERS, BY FIELD, SALARY BASE, AND ACADEMIC RANK: 1975

FIELD AND SALARY BASE	TOTAL	PROFESSOR	ASSOCIATE PROFESSOR	ASSISTANT PROFESSOR	INSTRUCTOR	LECTURER	OTHER	NO REPORT
ALL FIELDS								
ACADEMIC YEAR..........	17,200	21,700	16,600	13,300	12,500	13,100	16,200	**
CALENDAR YEAR..........	21,700	26,500	20,700	17,300	15,000	16,800	20,900	19,300
PHYSICAL SCIENTISTS								
ACADEMIC YEAR..........	17,100	20,800	16,200	13,000	**	**	**	**
CALENDAR YEAR..........	21,700	25,900	20,400	15,900	**	**	20,000	**
CHEMISTS								
ACADEMIC YEAR..........	16,600	20,000	15,900	12,900	**	**	**	**
CALENDAR YEAR..........	21,900	25,000	20,500	16,300	**	**	20,600	**
PHYSICISTS/ASTRONOMERS								
ACADEMIC YEAR..........	17,700	21,700	16,400	13,200	**	**	**	**
CALENDAR YEAR..........	21,200	28,700	20,300	15,600	**	**	**	**
MATHEMATICAL SCIENTISTS								
ACADEMIC YEAR..........	16,900	22,500	16,700	13,400	**	**	**	**
CALENDAR YEAR..........	19,200	24,600	18,200	14,800	**	**	**	**
MATHEMATICIANS								
ACADEMIC YEAR..........	16,800	22,300	16,600	13,400	**	**	**	**
CALENDAR YEAR..........	18,800	24,400	18,200	14,200	**	**	**	**
STATISTICIANS								
ACADEMIC YEAR..........	17,800	23,800	17,300	13,900	**	**	**	**
CALENDAR YEAR..........	20,700	**	**	**	**	**	**	**
COMPUTER SPECIALISTS								
ACADEMIC YEAR..........	18,000	23,000	18,200	13,900	**	**	**	**
CALENDAR YEAR..........	24,700	30,500	**	**	**	**	**	**
ENVIRONMENTAL SCIENTISTS								
ACADEMIC YEAR..........	17,100	20,900	16,300	13,200	**	**	**	**
CALENDAR YEAR..........	21,200	25,400	20,700	16,400	**	**	**	**
EARTH SCIENTISTS								
ACADEMIC YEAR..........	16,900	20,700	16,100	13,100	**	**	**	**
CALENDAR YEAR..........	21,400	25,200	21,000	16,500	**	**	**	**
OCEANOGRAPHERS								
ACADEMIC YEAR..........	18,100	**	**	**	**	**	**	**
CALENDAR YEAR..........	19,800	**	19,500	**	**	**	**	**
ATMOSPHERIC SCIENTISTS								
ACADEMIC YEAR..........	17,800	**	**	**	**	**	**	**
CALENDAR YEAR..........	**	**	**	**	**	**	**	**
ENGINEERS								
ACADEMIC YEAR..........	18,900	22,400	17,700	14,800	**	**	**	**
CALENDAR YEAR..........	24,300	28,400	21,800	18,500	**	**	**	**
LIFE SCIENTISTS								
ACADEMIC YEAR..........	16,400	20,600	16,000	13,000	**	**	**	**
CALENDAR YEAR..........	21,500	26,600	20,800	17,700	14,800	**	18,400	**
BIOLOGICAL SCIENTISTS								
ACADEMIC YEAR..........	16,200	20,600	15,900	13,000	**	**	**	**
CALENDAR YEAR..........	21,100	27,100	20,900	17,600	14,600	**	16,500	**
AGRICULTURAL SCIENTISTS								
ACADEMIC YEAR..........	18,200	20,800	18,000	**	**	**	**	**
CALENDAR YEAR..........	20,600	24,200	19,600	17,000	**	**	**	**
MEDICAL SCIENTISTS								
ACADEMIC YEAR..........	18,700	21,000	17,500	15,000	**	**	**	**
CALENDAR YEAR..........	24,100	30,100	23,000	18,800	**	**	**	**
PSYCHOLOGISTS								
ACADEMIC YEAR..........	16,900	21,700	16,400	13,000	**	**	**	**
CALENDAR YEAR..........	21,300	25,900	20,700	17,000	**	**	**	**
SOCIAL SCIENTISTS								
ACADEMIC YEAR..........	17,300	22,200	16,700	13,400	**	**	**	**
CALENDAR YEAR..........	21,000	25,000	19,600	15,500	**	**	25,400	**
ECONOMISTS								
ACADEMIC YEAR..........	18,400	22,800	17,400	14,600	**	**	**	**
CALENDAR YEAR..........	22,200	25,800	21,700	18,400	**	**	**	**
SOCIOLOGISTS/ANTHRO.								
ACADEMIC YEAR..........	16,800	22,300	16,600	13,200	**	**	**	**
CALENDAR YEAR..........	20,400	25,900	20,300	14,200	**	**	**	**
OTHER SOCIAL SCIENTISTS								
ACADEMIC YEAR..........	16,800	21,800	16,400	13,100	**	**	**	**
CALENDAR YEAR..........	20,200	26,400	18,700	15,000	**	**	**	**
NO REPORT								
ACADEMIC YEAR..........	**	**	**	**	**	**	**	**
CALENDAR YEAR..........	**	**	**	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

NOTE: INCLUDES INDIVIDUALS REPORTING TEACHING AS THEIR PRIMARY OR SECONDARY WORK ACTIVITY
MEDIAN SALARIES COMPUTED ONLY FOR FULL-TIME EMPLOYED CIVILIANS

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-27. NUMBER OF WOMEN DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, RACE, AND EMPLOYMENT STATUS: 1975

		EMPLOYED FULL-TIME			EMPLOYED PART-TIME								
FIELD AND RACE	TOTAL	TOTAL	SCI/ ENG.	NON-SCI/ ENG.	TOTAL	SCI/ ENG.	NON-SCI/ ENG.	POST-DOCTORAL	UNEMP/ SEEKING EMP.	UNEMP/ NOT SEEKING EMP.	RE-TIRED	OTHER	NO REPORT
ALL FIELDS													
TOTAL	26,118	17,840	16,710	1,130	2,966	2,654	312	1,644	689	1,322	1,438	120	99
WHITE/CAUCASIAN	23,062	15,727	14,744	983	2,739	2,443	296	1,369	566	1,193	1,265	115	88
BLACK/NEGRO	444	378	351	27	26	26	*	21	4	6	9	*	*
AMERICAN INDIAN	45	39	39	*	1	1	*	*	3	2	*	*	*
ASIAN	1,234	745	720	25	100	90	10	215	87	62	17	5	3
OTHER	22	15	13	2	7	7	*	*	*	*	*	*	*
NO REPORT	1,311	936	843	93	93	87	6	39	29	59	147	*	8
PHYSICAL SCIENTISTS													
TOTAL	3,097	1,906	1,727	179	355	284	71	260	122	257	178	11	8
WHITE/CAUCASIAN	2,639	1,641	1,472	169	317	247	70	183	78	235	169	10	6
BLACK/NEGRO	37	30	27	3	2	2	*	3	*	*	2	*	*
AMERICAN INDIAN	*	*	*	*	*	*	*	*	*	*	*	*	*
ASIAN	313	161	157	4	28	27	1	65	40	18	*	1	*
OTHER	2	2	2	*	*	*	*	*	*	*	*	*	*
NO REPORT	106	72	69	3	8	8	*	9	4	4	7	*	2
CHEMISTS													
TOTAL	2,502	1,532	1,376	156	290	224	66	228	82	217	135	10	8
WHITE/CAUCASIAN	2,110	1,301	1,153	148	257	192	65	155	52	199	131	9	6
BLACK/NEGRO	28	23	20	3	2	2	*	3	*	*	*	*	*
AMERICAN INDIAN	*	*	*	*	*	*	*	*	*	*	*	*	*
ASIAN	271	145	143	2	24	23	1	61	26	14	*	1	*
OTHER	2	2	2	*	*	*	*	*	*	*	*	*	*
NO REPORT	91	61	58	3	7	7	*	9	4	4	4	*	2
PHYSICISTS/ASTRONOMERS													
TOTAL	595	374	351	23	65	60	5	32	40	40	43	1	*
WHITE/CAUCASIAN	529	340	319	21	60	55	5	28	26	36	38	1	*
BLACK/NEGRO	9	7	7	*	*	*	*	*	*	*	2	*	*
AMERICAN INDIAN	*	*	*	*	*	*	*	*	*	*	*	*	*
ASIAN	42	16	14	2	4	4	*	4	14	4	*	*	*
OTHER	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT	15	11	11	*	1	1	*	*	*	*	3	*	*
MATHEMATICAL SCIENTISTS													
TOTAL	1,047	795	755	40	104	93	11	11	19	46	66	*	6
WHITE/CAUCASIAN	895	670	632	38	94	83	11	9	15	44	57	*	6
BLACK/NEGRO	22	20	20	*	*	*	*	2	*	*	*	*	*
AMERICAN INDIAN	*	*	*	*	*	*	*	*	*	*	*	*	*
ASIAN	72	56	54	2	10	10	*	*	4	2	*	*	*
OTHER	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT	58	49	49	*	*	*	*	*	*	*	9	*	*
MATHEMATICIANS													
TOTAL	955	729	689	40	87	76	11	11	17	39	66	*	6
WHITE/CAUCASIAN	817	614	576	38	80	69	11	9	13	38	57	*	6
BLACK/NEGRO	20	18	18	*	*	*	*	2	*	*	*	*	*
AMERICAN INDIAN	*	*	*	*	*	*	*	*	*	*	*	*	*
ASIAN	62	50	48	2	7	7	*	*	4	1	*	*	*
OTHER	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT	56	47	47	*	*	*	*	*	*	*	9	*	*
STATISTICIANS													
TOTAL	92	66	66	*	17	17	*	*	2	7	*	*	*
WHITE/CAUCASIAN	78	56	56	*	14	14	*	*	2	6	*	*	*
BLACK/NEGRO	2	2	2	*	*	*	*	*	*	*	*	*	*
AMERICAN INDIAN	*	*	*	*	*	*	*	*	*	*	*	*	*
ASIAN	10	6	6	*	3	3	*	*	*	1	*	*	*
OTHER	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT	2	2	2	*	*	*	*	*	*	*	*	*	*
COMPUTER SPECIALISTS													
TOTAL	147	134	132	2	7	7	*	2	*	1	*	*	3
WHITE/CAUCASIAN	119	109	107	2	7	7	*	2	*	1	*	*	*
BLACK/NEGRO	2	2	2	*	*	*	*	*	*	*	*	*	*
AMERICAN INDIAN	2	2	2	*	*	*	*	*	*	*	*	*	*
ASIAN	17	14	14	*	*	*	*	*	*	*	*	*	3
OTHER	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT	7	7	7	*	*	*	*	*	*	*	*	*	*
ENVIRONMENTAL SCIENTISTS													
TOTAL	379	265	262	3	62	62	*	20	8	9	13	*	2
WHITE/CAUCASIAN	344	241	239	2	57	57	*	17	7	9	11	*	2
BLACK/NEGRO	2	2	2	*	*	*	*	*	*	*	*	*	*
AMERICAN INDIAN	1	1	1	*	*	*	*	*	*	*	*	*	*
ASIAN	19	12	12	*	5	5	*	1	1	*	*	*	*
OTHER	1	1	*	1	*	*	*	*	*	*	*	*	*
NO REPORT	12	8	8	*	*	*	*	2	*	*	2	*	*
EARTH SCIENTISTS													
TOTAL	279	201	198	3	40	40	*	10	8	7	11	*	2
WHITE/CAUCASIAN	253	182	180	2	38	38	*	8	7	7	9	*	2
BLACK/NEGRO	2	2	2	*	*	*	*	*	*	*	*	*	*
AMERICAN INDIAN	1	1	1	*	*	*	*	*	*	*	*	*	*
ASIAN	12	9	9	*	2	2	*	*	1	*	*	*	*
OTHER	1	1	*	1	*	*	*	*	*	*	*	*	*
NO REPORT	10	6	6	*	*	*	*	2	*	*	2	*	*
OCEANOGRAPHERS													
TOTAL	67	39	39	*	15	15	*	9	*	2	2	*	*
WHITE/CAUCASIAN	63	35	35	*	15	15	*	9	*	2	2	*	*
BLACK/NEGRO	*	*	*	*	*	*	*	*	*	*	*	*	*
AMERICAN INDIAN	*	*	*	*	*	*	*	*	*	*	*	*	*
ASIAN	2	2	2	*	*	*	*	*	*	*	*	*	*
OTHER	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT	2	2	2	*	*	*	*	*	*	*	*	*	*
ATMOSPHERIC SCIENTISTS													
TOTAL	33	25	25	*	7	7	*	1	*	*	*	*	*
WHITE/CAUCASIAN	28	24	24	*	4	4	*	*	*	*	*	*	*
BLACK/NEGRO	*	*	*	*	*	*	*	*	*	*	*	*	*
AMERICAN INDIAN	*	*	*	*	*	*	*	*	*	*	*	*	*
ASIAN	5	1	1	*	3	3	*	1	*	*	*	*	*
OTHER	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT	*	*	*	*	*	*	*	*	*	*	*	*	*

NO CASES REPORTED

TABLE B-27. NUMBER OF WOMEN DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, RACE, AND EMPLOYMENT STATUS: 1975
CONTINUED

FIELD AND RACE	TOTAL	EMPLOYED FULL-TIME TOTAL	EMPLOYED FULL-TIME SCI/ ENG.	EMPLOYED FULL-TIME NON-SCI/ ENG.	EMPLOYED PART-TIME TOTAL	EMPLOYED PART-TIME SCI/ ENG.	EMPLOYED PART-TIME NON-SCI/ ENG.	POST-DOC-TORAL	UNEMP/ SEEKING EMP.	UNEMP/ NOT SEEKING EMP.	RE-TIRED	OTHER	NO REPORT
ENGINEERS													
TOTAL......................	288	215	213	2	21	20	1	8	4	25	8	4	3
WHITE/CAUCASIAN.........	231	178	176	2	18	17	1	6	2	19	5	*	3
BLACK/NEGRO.............	2	2	2	*	*	*	*	*	*	*	*	*	*
AMERICAN INDIAN.........	*	*	*	*	*	*	*	*	*	*	*	*	*
ASIAN...................	37	23	23	*	2	2	*	2	*	6	*	4	*
OTHER...................	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT...............	18	12	12	*	1	1	*	*	2	*	3	*	*
LIFE SCIENTISTS													
TOTAL......................	9,176	5,744	5,537	207	796	723	73	1,057	278	655	560	66	20
WHITE/CAUCASIAN.........	8,076	5,077	4,891	186	740	675	65	878	233	582	486	66	14
BLACK/NEGRO.............	161	133	133	*	9	9	*	13	*	6	*	*	*
AMERICAN INDIAN.........	11	6	6	*	*	*	*	*	3	2	*	*	*
ASIAN...................	584	329	323	6	31	26	5	146	37	29	12	*	*
OTHER...................	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT...............	344	199	184	15	16	13	3	20	5	36	62	*	6
BIOLOGICAL SCIENTISTS													
TOTAL......................	7,225	4,324	4,138	186	638	578	60	899	262	528	504	52	18
WHITE/CAUCASIAN.........	6,382	3,856	3,690	166	593	541	52	737	220	469	443	52	12
BLACK/NEGRO.............	146	121	121	*	8	8	*	11	*	6	*	*	*
AMERICAN INDIAN.........	5	*	*	*	*	*	*	*	3	2	*	*	*
ASIAN...................	420	209	203	6	21	16	5	134	34	16	6	*	*
OTHER...................	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT...............	272	138	124	14	16	13	3	17	5	35	55	*	6
AGRICULTURAL SCIENTISTS													
TOTAL......................	214	125	120	5	35	30	5	8	11	17	11	5	2
WHITE/CAUCASIAN.........	185	108	104	4	32	27	5	8	8	11	11	5	2
BLACK/NEGRO.............	*	*	*	*	*	*	*	*	*	*	*	*	*
AMERICAN INDIAN.........	*	*	*	*	*	*	*	*	*	*	*	*	*
ASIAN...................	23	11	11	*	3	3	*	*	3	6	*	*	*
OTHER...................	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT...............	6	6	5	1	*	*	*	*	*	*	*	*	*
MEDICAL SCIENTISTS													
TOTAL......................	1,737	1,295	1,279	16	123	115	8	150	5	110	45	9	*
WHITE/CAUCASIAN.........	1,509	1,113	1,097	16	115	107	8	133	5	102	32	9	*
BLACK/NEGRO.............	15	12	12	*	1	1	*	2	*	*	*	*	*
AMERICAN INDIAN.........	6	6	6	*	*	*	*	*	*	*	*	*	*
ASIAN...................	141	109	109	*	7	7	*	12	*	7	6	*	*
OTHER...................	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT...............	66	55	55	*	*	*	*	3	*	1	7	*	*
PSYCHOLOGISTS													
TOTAL......................	7,043	5,085	4,788	297	1,205	1,141	64	168	103	170	253	18	41
WHITE/CAUCASIAN.........	6,346	4,515	4,270	245	1,125	1,065	60	157	99	163	228	18	41
BLACK/NEGRO.............	140	121	103	18	12	12	*	3	4	*	*	*	*
AMERICAN INDIAN.........	16	15	15	*	1	1	*	*	*	*	*	*	*
ASIAN...................	92	71	66	5	19	15	4	*	*	2	*	*	*
OTHER...................	16	9	9	*	7	7	*	*	*	*	*	*	*
NO REPORT...............	433	354	325	29	41	41	*	8	*	5	25	*	*
SOCIAL SCIENTISTS													
TOTAL......................	4,762	3,683	3,283	400	413	321	92	118	146	143	232	14	13
WHITE/CAUCASIAN.........	4,255	3,286	2,947	339	378	289	89	117	123	124	200	14	13
BLACK/NEGRO.............	75	67	61	6	3	3	*	*	*	*	5	*	*
AMERICAN INDIAN.........	15	15	15	*	*	*	*	*	*	*	*	*	*
ASIAN...................	100	79	71	8	5	5	*	1	5	5	5	*	*
OTHER...................	3	3	2	1	*	*	*	*	*	*	*	*	*
NO REPORT...............	314	233	187	46	27	24	3	*	18	14	22	*	*
ECONOMISTS													
TOTAL......................	720	576	527	49	33	33	*	15	4	19	68	*	5
WHITE/CAUCASIAN.........	657	525	476	49	31	31	*	15	2	16	63	*	5
BLACK/NEGRO.............	6	5	5	*	*	*	*	*	*	*	1	*	*
AMERICAN INDIAN.........	*	*	*	*	*	*	*	*	*	*	*	*	*
ASIAN...................	12	8	8	*	2	2	*	*	2	*	*	*	*
OTHER...................	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT...............	45	38	38	*	*	*	*	*	*	3	4	*	*
SOCIOLOGISTS/ANTHRO.													
TOTAL......................	1,960	1,500	1,408	92	179	151	28	45	66	67	90	13	*
WHITE/CAUCASIAN.........	1,729	1,326	1,247	79	155	127	28	44	51	59	81	13	*
BLACK/NEGRO.............	37	30	30	*	3	3	*	*	*	*	4	*	*
AMERICAN INDIAN.........	8	8	8	*	*	*	*	*	*	*	*	*	*
ASIAN...................	33	23	23	*	3	3	*	1	1	5	*	*	*
OTHER...................	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT...............	153	113	100	13	18	18	*	*	14	3	5	*	*
OTHER SOCIAL SCIENTISTS													
TOTAL......................	2,082	1,607	1,348	259	201	137	64	58	76	57	74	1	8
WHITE/CAUCASIAN.........	1,869	1,435	1,224	211	192	131	61	58	70	49	56	1	8
BLACK/NEGRO.............	32	32	26	6	*	*	*	*	*	*	*	*	*
AMERICAN INDIAN.........	7	7	7	*	*	*	*	*	*	*	*	*	*
ASIAN...................	55	48	40	8	*	*	*	*	2	*	5	*	*
OTHER...................	3	3	2	1	*	*	*	*	*	*	*	*	*
NO REPORT...............	116	82	49	33	9	6	3	*	4	8	13	*	*
NO REPORT													
TOTAL......................	179	13	13	*	3	3	*	*	9	16	128	7	3
WHITE/CAUCASIAN.........	157	10	10	*	3	3	*	*	9	16	109	7	3
BLACK/NEGRO.............	3	1	1	*	*	*	*	*	*	*	2	*	*
AMERICAN INDIAN.........	*	*	*	*	*	*	*	*	*	*	*	*	*
ASIAN...................	*	*	*	*	*	*	*	*	*	*	*	*	*
OTHER...................	*	*	*	*	*	*	*	*	*	*	*	*	*
NO REPORT...............	19	2	2	*	*	*	*	*	*	*	17	*	*

* NO CASES REPORTED

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-28. NUMBER OF WOMEN DOCTORAL SCIENTISTS AND ENGINEERS BY FIELD AND TYPE OF EMPLOYER: 1975

			EDUCATIONAL INSTITUTIONS												
FIELD	TOTAL	BUSINESS/ INDUSTRY	TOTAL	4-YEAR COLL/ UNIV.	2-YEAR COLL.	ELEM/ SEC. SCHOOL	HOSPITAL/ CLINIC	NON-PROFIT ORGS.	FEDERAL GOV'T	MILITARY/ COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
TOTAL....................	26,118	2,172	15,746	14,415	717	614	1,784	916	1,060	31	415	247	15	3,668	64
PHYSICAL SCIENTISTS........	3,097	464	1,645	1,449	151	45	79	120	167	8	12	13	*	576	13
CHEMISTS..................	2,502	410	1,300	1,138	125	37	77	90	130	8	11	13	*	452	11
PHYSICISTS/ASTRONOMERS...	595	54	345	311	26	8	2	30	37	*	1	*	*	124	2
MATHEMATICAL SCIENTISTS...	1,047	34	828	772	33	23	2	19	22	*	5	*	*	137	*
MATHEMATICIANS............	955	28	765	713	29	23	*	16	13	*	5	*	*	128	*
STATISTICIANS............	92	6	63	59	4	*	2	3	9	*	*	*	*	9	*
COMPUTER SPECIALISTS......	147	57	69	69	*	*	2	1	9	2	1	2	*	4	*
ENVIRONMENTAL SCIENTISTS..	379	57	204	192	5	7	1	29	41	*	8	7	*	32	*
EARTH SCIENTISTS.........	279	37	151	139	5	7	1	16	35	*	7	4	*	28	*
OCEANOGRAPHERS...........	67	10	36	36	*	*	*	12	2	*	*	3	*	4	*
ATMOSPHERIC SCIENTISTS...	33	10	17	17	*	*	*	1	4	*	1	*	*	*	*
ENGINEERS.................	288	109	96	93	3	*	*	7	25	1	3	3	*	44	*
LIFE SCIENTISTS...........	9,176	477	5,668	5,365	237	66	419	312	485	8	144	55	7	1,579	22
BIOLOGICAL SCIENTISTS....	7,225	312	4,573	4,283	226	64	211	278	359	*	83	19	7	1,364	19
AGRICULTURAL SCIENTISTS..	214	30	113	106	5	2	*	2	20	*	*	*	*	46	3
MEDICAL SCIENTISTS.......	1,737	135	982	976	6	*	208	32	106	8	61	36	*	169	*
PSYCHOLOGISTS.............	7,043	826	3,738	3,133	168	437	1,262	184	151	12	153	120	1	585	11
SOCIAL SCIENTISTS.........	4,762	143	3,492	3,336	120	36	19	242	160	*	89	47	7	548	15
ECONOMISTS...............	720	56	451	444	7	*	*	45	53	*	8	9	2	96	*
SOCIOLOGISTS/ANTHRO......	1,960	26	1,547	1,474	68	5	15	89	21	*	21	*	*	236	5
OTHER SOCIAL SCIENTISTS..	2,082	61	1,494	1,418	45	31	4	108	86	*	60	38	5	216	10
NO REPORT.................	179	5	6	6	*	*	*	2	*	*	*	*	*	163	3

* NO CASES REPORTED

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-29. NUMBER OF WOMEN DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD AND PRIMARY WORK ACTIVITY: 1975

		RESEARCH AND DEVELOPMENT				....MANAGEMENT OR ADMIN....									
FIELD	TOTAL	TOTAL	BASIC RE-SEARCH	APPL'D RE-SEARCH	DEVEL-OPMENT	TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH	TEACHING	CONSULTING	SALES/ PROF. SERVICES	OTHER	NOT EMPLOYED	NO REPORT
TOTAL....................	26,118	6,042	4,497	1,321	224	2,485	906	1,155	424	9,645	420	2,379	837	3,668	642
PHYSICAL SCIENTISTS........	3,097	978	659	265	54	207	86	85	36	1,048	14	54	147	576	73
CHEMISTS..................	2,502	775	514	218	43	176	65	80	31	847	10	52	129	452	61
PHYSICISTS/ASTRONOMERS...	595	203	145	47	11	31	21	5	5	201	4	2	18	124	12
MATHEMATICAL SCIENTISTS...	1,047	93	67	21	5	53	12	24	17	721	13	*	14	137	16
MATHEMATICIANS............	955	79	59	15	5	42	7	24	11	670	6	*	14	128	16
STATISTICIANS............	92	14	8	6	*	11	5	*	6	51	7	*	*	9	*
COMPUTER SPECIALISTS......	147	72	11	17	44	16	10	6	*	39	4	*	5	4	7
ENVIRONMENTAL SCIENTISTS..	379	122	89	28	5	47	19	18	10	120	9	3	42	32	4
EARTH SCIENTISTS.........	279	69	49	18	2	32	12	12	8	108	6	3	29	28	4
OCEANOGRAPHERS...........	67	28	26	2	*	14	6	6	2	8	*	*	13	4	*
ATMOSPHERIC SCIENTISTS...	33	25	14	8	3	1	1	*	*	4	3	*	*	*	*
ENGINEERS.................	288	118	27	48	43	62	44	11	7	36	5	2	16	44	5
LIFE SCIENTISTS...........	9,176	3,415	2,932	449	34	699	321	275	103	2,685	57	233	310	1,579	198
BIOLOGICAL SCIENTISTS....	7,225	2,827	2,540	265	22	380	174	142	64	2,232	38	59	170	1,364	155
AGRICULTURAL SCIENTISTS..	214	79	24	48	[illegible]	21	10	9	2	44	3	10	5	46	6
MEDICAL SCIENTISTS.......	1,737	509	368	136	5	298	137	124	37	409	16	164	135	169	37
PSYCHOLOGISTS.............	7,043	675	397	247	31	904	227	502	175	2,263	260	2,041	136	585	179
SOCIAL SCIENTISTS.........	4,762	567	313	246	8	495	187	232	76	2,729	58	46	167	548	152
ECONOMISTS...............	720	139	34	103	2	79	40	27	12	336	13	9	17	96	31
SOCIOLOGISTS/ANTHRO......	1,960	247	151	96	*	141	53	88	*	1,226	10	23	23	236	54
OTHER SOCIAL SCIENTISTS..	2,082	181	128	47	6	275	94	117	64	1,167	35	14	127	216	67
NO REPORT.................	179	2	2	*	*	2	*	2	*	4	*	*	*	163	8

* NO CASES REPORTED

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-30. NUMBER OF WOMEN DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD AND YEARS OF PROFESSIONAL EXPERIENCE: 1975

		YEARS OF PROFESSIONAL EXPERIENCE										
FIELD	TOTAL	1 OR LESS YEARS	2-4 YEARS	5-9 YEARS	10-14 YEARS	15-19 YEARS	20-24 YEARS	25-29 YEARS	30-34 YEARS	35-39 YEARS	40 OR MORE YEARS	NO REPORT
TOTAL....................	26,118	678	4,663	6,125	3,784	2,741	2,123	1,498	1,278	645	878	1,705
PHYSICAL SCIENTISTS.......	3,097	107	508	748	464	280	274	180	118	82	96	240
CHEMISTS.................	2,502	80	414	590	392	220	213	153	97	62	74	207
PHYSICISTS/ASTRONOMERS...	595	27	94	158	72	60	61	27	21	20	22	33
MATHEMATICAL SCIENTISTS...	1,047	25	155	235	173	103	98	61	55	28	56	58
MATHEMATICIANS...........	955	23	142	206	160	91	92	54	47	28	54	58
STATISTICIANS............	92	2	13	29	13	12	6	7	8	*	2	*
COMPUTER SPECIALISTS......	147	7	25	48	26	8	10	6	7	*	5	5
ENVIRONMENTAL SCIENTISTS..	379	7	82	94	52	49	20	16	21	4	20	14
EARTH SCIENTISTS.........	279	2	64	63	36	39	18	12	18	4	11	12
OCEANOGRAPHERS...........	67	2	12	22	11	8	2	*	2	*	6	2
ATMOSPHERIC SCIENTISTS...	33	3	6	9	5	2	*	4	1	*	3	*
ENGINEERS.................	288	4	76	52	45	25	24	15	16	3	7	21
LIFE SCIENTISTS...........	9,176	308	1,787	2,074	1,112	947	666	548	498	244	283	709
BIOLOGICAL SCIENTISTS....	7,225	255	1,469	1,657	875	736	474	379	340	192	236	612
AGRICULTURAL SCIENTISTS..	214	14	36	45	34	22	10	21	16	2	*	14
MEDICAL SCIENTISTS.......	1,737	39	282	372	203	189	182	148	142	50	47	83
PSYCHOLOGISTS.............	7,043	133	1,209	1,640	1,136	780	648	449	323	158	196	371
SOCIAL SCIENTISTS.........	4,762	87	816	1,232	771	542	372	207	228	104	185	218
ECONOMISTS...............	720	12	87	179	101	88	40	32	59	28	44	50
SOCIOLOGISTS/ANTHRO......	1,960	41	340	502	322	215	155	92	100	41	54	98
OTHER SOCIAL SCIENTISTS..	2,082	34	389	551	348	239	177	83	69	35	87	70
NO REPORT.................	179	*	5	2	5	7	11	16	12	22	30	69

* NO CASES REPORTED

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-31. MEDIAN ANNUAL SALARIES OF WOMEN DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD AND RACE: 1975

		....RACE....					
FIELD	TOTAL	WHITE/ CAUCASIAN	BLACK/ NEGRO	AMERICAN INDIAN	ASIAN	OTHER	NO REPORT
TOTAL....................	19,000	18,900	20,800	**	18,700	**	20,600
PHYSICAL SCIENTISTS.......	19,100	19,100	**	**	18,500	**	19,900
CHEMISTS.................	19,000	19,100	**	**	18,500	**	19,300
PHYSICISTS/ASTRONOMERS...	19,300	19,100	**	**	**	**	**
MATHEMATICAL SCIENTISTS...	18,300	18,000	**	**	18,700	**	22,000
MATHEMATICIANS...........	18,100	17,800	**	**	18,700	**	21,000
STATISTICIANS............	22,100	22,000	**	**	**	**	**
COMPUTER SPECIALISTS......	18,000	18,100	**	**	**	**	**
ENVIRONMENTAL SCIENTISTS..	19,000	19,000	**	**	**	**	**
EARTH SCIENTISTS.........	18,200	18,000	**	**	**	**	**
OCEANOGRAPHERS...........	**	**	**	**	**	**	**
ATMOSPHERIC SCIENTISTS...	**	**	**	**	**	**	**
ENGINEERS.................	20,800	21,600	**	**	**	**	**
LIFE SCIENTISTS...........	18,900	18,800	21,000	**	18,700	**	20,500
BIOLOGICAL SCIENTISTS....	18,400	18,400	20,600	**	17,600	**	17,800
AGRICULTURAL SCIENTISTS..	20,000	19,900	**	**	**	**	**
MEDICAL SCIENTISTS.......	20,600	20,500	**	**	19,500	**	**
PSYCHOLOGISTS.............	19,600	19,500	20,500	**	**	**	22,000
SOCIAL SCIENTISTS.........	18,700	18,400	21,000	**	18,700	**	20,400
ECONOMISTS...............	21,400	21,400	**	**	**	**	**
SOCIOLOGISTS/ANTHRO......	18,500	18,400	**	**	**	**	20,600
OTHER SOCIAL SCIENTISTS..	18,200	18,100	**	**	**	**	18,500
NO REPORT.................	**	**	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

NOTE: MEDIAN SALARIES COMPUTED ONLY FOR FULL-TIME EMPLOYED CIVILIANS

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-32. MEDIAN ANNUAL SALARIES OF WOMEN DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD AND TYPE OF EMPLOYER: 1975

			EDUCATIONAL INSTITUTIONS												
FIELD	TOTAL	BUSINESS/ INDUSTRY	TOTAL	4-YEAR COLL/ UNIV.	2-YEAR COLL.	ELEM/ SEC. SCHOOL	HOSPITAL/ CLINIC	NONPROFIT ORGS.	FEDERAL GOV'T	MILITARY/ COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
TOTAL....................	19,000	22,200	18,400	18,400	18,700	20,700	19,400	19,600	24,700	**	19,700	19,900	**	**	**
PHYSICAL SCIENTISTS........	19,100	21,900	18,000	18,000	18,900	**	**	19,100	22,800	**	**	**	**	**	**
CHEMISTS..................	19,000	22,000	17,900	17,900	19,100	**	**	18,600	22,500	**	**	**	**	**	**
PHYSICISTS/ASTRONOMERS...	19,300	21,800	18,100	18,200	**	**	**	**	**	**	**	**	**	**	**
MATHEMATICAL SCIENTISTS...	18,300	**	18,200	18,300	**	**	**	**	**	**	**	**	**	**	**
MATHEMATICIANS............	18,100	**	18,000	18,300	**	**	**	**	**	**	**	**	**	**	**
STATISTICIANS............	22,100	**	20,000	19,500	**	**	**	**	**	**	**	**	**	**	**
COMPUTER SPECIALISTS......	18,000	16,700	18,000	18,000	**	**	**	**	**	**	**	**	**	**	**
ENVIRONMENTAL SCIENTISTS..	19,000	**	18,100	18,100	**	**	**	**	23,000	**	**	**	**	**	**
EARTH SCIENTISTS..........	18,200	**	17,900	17,900	**	**	**	**	**	**	**	**	**	**	**
OCEANOGRAPHERS............	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
ATMOSPHERIC SCIENTISTS...	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
ENGINEERS.................	20,800	22,000	19,700	19,800	**	**	**	**	**	**	**	**	**	**	**
LIFE SCIENTISTS...........	18,900	22,500	18,300	18,300	18,100	**	19,900	19,600	24,000	**	19,800	**	**	**	**
BIOLOGICAL SCIENTISTS....	18,400	21,800	17,900	17,900	17,800	**	18,300	19,600	22,400	**	**	**	**	**	**
AGRICULTURAL SCIENTISTS..	20,000	**	19,600	19,500	**	**	**	**	**	**	**	**	**	**	**
MEDICAL SCIENTISTS.......	20,600	24,700	19,800	19,800	**	**	22,700	**	26,400	**	**	**	**	**	**
PSYCHOLOGISTS.............	19,600	25,400	18,900	18,500	19,600	21,700	19,700	20,100	26,000	**	22,100	19,700	**	**	**
SOCIAL SCIENTISTS.........	18,700	23,100	18,400	18,400	18,100	**	**	19,400	27,500	**	**	**	**	**	**
ECONOMISTS................	21,400	26,600	20,200	20,200	**	**	**	**	**	**	**	**	**	**	**
SOCIOLOGISTS/ANTHRO......	18,500	**	18,500	18,500	**	**	**	**	**	**	**	**	**	**	**
OTHER SOCIAL SCIENTISTS..	18,200	**	17,800	17,800	**	**	**	20,500	27,100	**	**	**	**	**	**
NO REPORT.................	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

NOTE: MEDIAN SALARIES COMPUTED ONLY FOR FULL-TIME EMPLOYED CIVILIANS

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-33. MEDIAN ANNUAL SALARIES OF WOMEN DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD AND PRIMARY WORK ACTIVITY: 1975

		RESEARCH AND DEVELOPMENT				....MANAGEMENT OR ADMIN....									
FIELD	TOTAL	TOTAL	BASIC RESEARCH	APPL'D RESEARCH	DEVELOPMENT	TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH	TEACHING	CONSULTING	SALES/ PROF. SERVICES	OTHER	NOT EMPLOYED	NO REPORT
TOTAL....................	19,000	19,100	18,400	20,400	19,500	22,900	24,300	22,100	22,900	18,200	20,500	20,000	18,400	**	20,700
PHYSICAL SCIENTISTS........	19,100	20,500	19,900	20,900	19,500	23,400	25,500	21,600	**	17,800	**	**	18,100	**	**
CHEMISTS..................	19,000	20,500	20,200	20,800	**	23,300	26,100	21,700	**	17,600	**	**	17,600	**	**
PHYSICISTS/ASTRONOMERS...	19,300	20,600	19,200	**	**	**	**	**	**	18,300	**	**	**	**	**
MATHEMATICAL SCIENTISTS...	18,300	19,200	19,100	**	**	24,700	**	**	**	18,000	**	**	**	**	**
MATHEMATICIANS............	18,100	17,900	17,700	**	**	**	**	**	**	18,000	**	**	**	**	**
STATISTICIANS............	22,100	**	**	**	**	**	**	**	**	**	**	**	**	**	**
COMPUTER SPECIALISTS......	18,000	18,200	**	**	15,800	**	**	**	**	17,300	**	**	**	**	**
ENVIRONMENTAL SCIENTISTS..	19,000	19,200	19,000	**	**	20,800	**	**	**	18,000	**	**	**	**	**
EARTH SCIENTISTS..........	18,200	19,100	**	**	**	**	**	**	**	17,900	**	**	**	**	**
OCEANOGRAPHERS............	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
ATMOSPHERIC SCIENTISTS...	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
ENGINEERS.................	20,800	20,400	**	20,600	19,500	24,300	27,000	**	**	19,000	**	**	**	**	**
LIFE SCIENTISTS...........	18,900	18,600	18,400	19,300	**	23,600	24,500	22,600	23,000	18,400	**	20,700	18,400	**	20,000
BIOLOGICAL SCIENTISTS....	18,400	18,400	18,200	20,000	**	22,100	22,600	21,200	**	18,000	**	**	20,200	**	20,000
AGRICULTURAL SCIENTISTS..	20,000	19,400	**	**	**	**	**	**	**	**	**	**	**	**	**
MEDICAL SCIENTISTS.......	20,600	19,300	19,500	19,000	**	25,500	25,400	26,300	**	20,400	**	25,200	17,200	**	**
PSYCHOLOGISTS.............	19,600	19,500	17,800	20,900	**	21,700	21,500	21,500	22,100	18,300	22,600	20,000	20,700	**	21,800
SOCIAL SCIENTISTS.........	18,700	18,800	17,500	21,700	**	24,400	24,800	24,300	23,500	18,200	**	**	18,100	**	22,100
ECONOMISTS................	21,400	23,100	**	23,000	**	32,100	**	**	**	19,800	**	**	**	**	**
SOCIOLOGISTS/ANTHRO......	18,500	17,700	**	**	**	20,500	**	**	**	18,400	**	**	**	**	**
OTHER SOCIAL SCIENTISTS..	18,200	17,800	16,700	**	**	24,600	25,900	24,400	**	17,500	**	**	**	**	**
NO REPORT.................	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

NOTE: MEDIAN SALARIES COMPUTED ONLY FOR FULL-TIME EMPLOYED CIVILIANS

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-34. MEDIAN ANNUAL SALARIES OF WOMEN DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD AND YEARS OF PROFESSIONAL EXPERIENCE: 1975

		YEARS OF PROFESSIONAL EXPERIENCE										
FIELD	TOTAL	1 OR LESS YEARS	2-4 YEARS	5-9 YEARS	10-14 YEARS	15-19 YEARS	20-24 YEARS	25-29 YEARS	30-34 YEARS	35-39 YEARS	40 OR MORE YEARS	NO REPORT
TOTAL....................	19,000	15,100	16,000	17,800	19,900	20,800	22,500	23,500	23,500	23,500	22,500	19,500
PHYSICAL SCIENTISTS.......	19,100	**	15,700	17,200	19,600	20,400	22,500	23,100	21,700	**	**	**
CHEMISTS..................	19,000	**	15,800	17,400	19,600	20,100	22,000	23,000	21,500	**	**	**
PHYSICISTS/ASTRONOMERS...	19,300	**	15,300	16,700	19,500	23,000	24,700	**	**	**	**	**
MATHEMATICAL SCIENTISTS...	18,300	**	15,400	17,300	18,600	20,600	21,700	24,500	24,300	**	**	**
MATHEMATICIANS............	18,100	**	15,300	17,100	18,500	20,200	21,000	24,200	22,500	**	**	**
STATISTICIANS.............	22,100	**	**	**	**	**	**	**	**	**	**	**
COMPUTER SPECIALISTS......	18,000	**	**	18,400	**	**	**	**	**	**	**	**
ENVIRONMENTAL SCIENTISTS..	19,000	**	16,300	18,000	19,300	**	**	**	**	**	**	**
EARTH SCIENTISTS..........	18,200	**	16,300	17,900	**	**	**	**	**	**	**	**
OCEANOGRAPHERS............	**	**	**	**	**	**	**	**	**	**	**	**
ATMOSPHERIC SCIENTISTS...	**	**	**	**	**	**	**	**	**	**	**	**
ENGINEERS.................	20,800	**	17,800	20,000	22,000	**	**	**	**	**	**	**
LIFE SCIENTISTS...........	18,900	15,600	15,300	17,500	19,200	20,600	22,600	23,500	22,400	22,500	22,600	20,200
BIOLOGICAL SCIENTISTS....	18,400	**	15,200	17,200	18,700	20,300	22,300	23,500	20,900	22,300	22,800	17,500
AGRICULTURAL SCIENTISTS..	20,000	**	**	**	**	**	**	**	**	**	**	**
MEDICAL SCIENTISTS.......	20,600	**	16,200	18,500	21,200	23,200	24,600	23,600	25,700	**	**	**
PSYCHOLOGISTS.............	19,600	**	16,200	18,300	21,200	21,700	22,200	23,100	25,200	25,700	22,700	20,200
SOCIAL SCIENTISTS.........	18,700	**	16,300	17,800	19,200	20,700	23,000	24,300	23,400	**	23,500	**
ECONOMISTS................	21,400	**	17,100	20,200	22,600	22,100	**	**	**	**	**	**
SOCIOLOGISTS/ANTHRO......	18,500	**	16,500	17,900	18,900	20,700	21,900	**	**	**	**	**
OTHER SOCIAL SCIENTISTS..	18,200	**	15,800	16,900	18,700	20,300	23,100	24,500	**	**	**	**
NO REPORT.................	**	**	**	**	**	**	**	**	**	**	**	**

** NO MEDIAN COMPUTED FOR GROUPS WITH FEWER THAN 20 INDIVIDUALS REPORTING SALARY

NOTE: MEDIAN SALARIES COMPUTED ONLY FOR FULL-TIME EMPLOYED CIVILIANS

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-35. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, SUPPORTING AGENCY, AND TYPE OF EMPLOYER: 1975

FIELD AND SUPPORTING AGENCY	TOTAL	BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS				HOSPITAL/ CLINIC	NONPROFIT ORGS.	FEDERAL GOV'T	MILITARY/ COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
			TOTAL	4-YEAR COLL/ UNIV.	2-YEAR COLL.	ELEM/ SEC. SCHOOL									
ALL FIELDS															
TOTAL	277,517	65,876	153,249	147,633	3,674	1,942	7,586	8,510	19,452	2,182	3,110	2,011	86	15,106	349
TOTAL SUPPORTED	112,969	14,413	64,060	63,281	324	455	3,914	6,179	19,452	2,182	1,626	1,049	47	*	47
NASA	8,287	2,319	3,838	3,818	20	*	*	363	1,701	45	14	6	*	*	1
NSF	19,978	592	17,642	17,554	71	17	41	1,128	493	10	38	26	3	*	5
EPA	4,824	1,100	2,045	2,034	11	*	16	428	891	74	183	87	*	*	*
ERDA (AEC)	10,951	2,807	5,694	5,684	10	*	24	1,516	841	44	23	2	*	*	*
NRC (AEC)	1,319	360	439	439	*	*	2	238	257	13	10	*	*	*	*
AID	1,345	39	792	781	11	*	*	232	224	*	1	57	*	*	*
HEW, TOTAL	36,734	1,645	25,806	25,253	172	381	2,682	2,341	2,688	417	749	351	47	*	8
NIH	26,482	849	20,149	20,100	25	24	1,756	1,614	1,557	195	205	152	5	*	*
ALCOHOL/DRUG ABUSE&MHA	3,500	218	1,606	1,595	*	11	231	303	195	43	136	168	*	*	*
OE	3,353	301	2,406	1,945	124	337	170	231	53	10	152	15	15	*	*
OTHER HEW	6,106	470	3,134	3,043	44	47	359	549	953	169	363	74	27	*	8
DOD	21,792	7,415	6,322	6,292	30	*	58	1,343	4,958	1,686	8	2	*	*	*
COMMERCE	2,682	237	970	970	*	*	*	103	1,271	2	68	26	*	*	5
USDA	12,157	140	8,049	8,028	21	*	*	33	3,725	*	190	7	*	*	13
HUD	684	200	217	211	6	*	16	31	73	*	73	74	*	*	*
DOT	2,320	660	997	996	1	*	*	151	337	16	110	49	*	*	*
JUSTICE	1,321	228	550	550	*	*	97	141	134	5	58	103	*	*	5
INTERIOR	4,364	318	2,225	2,203	22	*	*	143	1,580	17	70	11	*	*	*
OTHER	7,711	621	2,631	2,592	26	13	1,279	357	2,438	9	139	223	3	*	11
SOURCE UNKNOWN	1,408	258	794	721	10	63	155	27	31	*	56	87	*	*	*
SOURCE NOT REPORTED	620	138	333	324	8	1	5	21	93	*	5	25	*	*	*
SUPPORT STATUS UNKNOWN	6,809	937	4,867	4,286	412	169	598	143	*	*	175	81	*	*	8
NOT SUPPORTED	140,250	49,861	83,108	78,907	2,902	1,299	2,964	2,055	*	*	1,272	846	29	*	115
NO REPORT	2,383	665	1,214	1,159	36	19	110	133	*	*	37	35	10	*	179
NOT EMPLOYED	15,106	*	*	*	*	*	*	*	*	*	*	*	*	15,106	*
PHYSICAL SCIENTISTS															
TOTAL	59,267	22,385	26,141	24,642	1,135	364	492	1,979	3,787	312	215	81	11	3,794	70
TOTAL SUPPORTED	21,563	3,377	12,080	11,917	112	51	268	1,583	3,787	312	115	41	*	*	*
NASA	2,827	605	1,436	1,416	20	*	*	181	603	*	2	*	*	*	*
NSF	5,656	186	4,967	4,922	29	16	13	369	113	*	*	8	*	*	*
EPA	888	237	258	258	*	*	*	201	168	*	8	16	*	*	*
ERDA (AEC)	5,228	890	3,173	3,173	*	*	17	782	357	7	*	2	*	*	*
NRC (AEC)	378	108	140	140	*	*	*	41	89	*	*	*	*	*	*
AID	55	*	23	23	*	*	*	27	*	*	*	5	*	*	*
HEW, TOTAL	4,162	226	2,942	2,873	40	29	188	354	380	32	40	*	*	*	*
NIH	3,566	213	2,587	2,577	*	10	170	324	229	14	29	*	*	*	*
ALCOHOL/DRUG ABUSE&MHA	217	*	81	71	*	10	20	88	20	*	8	*	*	*	*
OE	153	*	153	98	37	18	*	*	*	*	*	*	*	*	*
OTHER HEW	537	23	232	212	9	11	*	108	145	18	11	*	*	*	*
DOD	5,540	1,858	1,498	1,479	19	*	*	352	1,552	280	*	*	*	*	*
COMMERCE	661	34	133	133	*	*	*	33	461	*	*	*	*	*	*
USDA	565	31	217	217	*	*	*	12	285	*	18	2	*	*	*
HUD	22	11	*	*	*	*	*	*	11	*	*	*	*	*	*
DOT	166	45	72	72	*	*	*	14	26	*	9	*	*	*	*
JUSTICE	58	3	5	5	*	*	*	6	26	*	10	8	*	*	*
INTERIOR	274	75	95	84	11	*	*	39	65	*	*	*	*	*	*
OTHER	730	87	267	267	*	*	100	31	221	*	22	2	*	*	*
SOURCE UNKNOWN	152	39	94	65	3	26	3	*	*	*	16	*	*	*	*
SOURCE NOT REPORTED	157	62	72	64	8	*	*	13	10	*	*	*	*	*	*
SUPPORT STATUS UNKNOWN	963	266	617	460	128	29	9	35	*	*	22	14	*	*	*
NOT SUPPORTED	32,559	18,549	13,314	12,147	883	284	215	341	*	*	72	23	11	*	34
NO REPORT	388	193	130	118	12	*	*	20	*	*	6	3	*	*	36
NOT EMPLOYED	3,794	*	*	*	*	*	*	*	*	*	*	*	*	3,794	*
CHEMISTS															
TOTAL	38,784	18,278	14,402	13,320	795	287	387	1,071	1,697	99	195	55	*	2,560	40
TOTAL SUPPORTED	9,843	1,317	5,583	5,478	60	45	198	806	1,697	99	115	28	*	*	*
NASA	686	150	304	304	*	*	*	79	151	*	2	*	*	*	*
NSF	2,509	78	2,224	2,195	19	10	13	173	21	*	*	*	*	*	*
EPA	729	175	210	210	*	*	*	189	131	*	8	16	*	*	*
ERDA (AEC)	1,579	385	729	729	*	*	9	275	172	7	*	2	*	*	*
NRC (AEC)	118	23	54	54	*	*	*	27	14	*	*	*	*	*	*
AID	43	*	23	23	*	*	*	20	*	*	*	*	*	*	*
HEW, TOTAL	3,707	202	2,613	2,555	29	29	139	343	349	21	40	*	*	*	*
NIH	3,225	189	2,340	2,330	*	10	121	324	208	14	29	*	*	*	*
ALCOHOL/DRUG ABUSE&MHA	206	*	81	71	*	10	20	77	20	*	8	*	*	*	*
OE	105	*	105	61	26	18	*	*	*	*	*	*	*	*	*
OTHER HEW	468	22	185	165	9	11	*	108	135	7	11	*	*	*	*
DOD	1,670	502	512	504	8	*	*	163	415	78	*	*	*	*	*
COMMERCE	283	26	74	74	*	*	*	24	159	*	*	*	*	*	*
USDA	546	21	208	208	*	*	*	12	285	*	18	2	*	*	*
HUD	22	11	*	*	*	*	*	*	11	*	*	*	*	*	*
DOT	88	22	42	42	*	*	*	14	1	*	9	*	*	*	*
JUSTICE	51	2	5	5	*	*	*	*	26	*	10	8	*	*	*
INTERIOR	194	46	66	55	11	*	*	32	50	*	*	*	*	*	*
OTHER	433	28	168	168	*	*	79	22	112	*	22	2	*	*	*
SOURCE UNKNOWN	111	8	84	55	3	26	3	*	*	*	16	*	*	*	*
SOURCE NOT REPORTED	89	62	17	9	8	*	*	10	*	*	*	*	*	*	*
SUPPORT STATUS UNKNOWN	798	248	478	349	100	29	8	33	*	*	22	9	*	*	*
NOT SUPPORTED	25,296	16,544	8,259	7,423	623	213	181	223	*	*	52	18	*	*	19
NO REPORT	287	169	82	70	12	*	*	9	*	*	6	*	*	*	21
NOT EMPLOYED	2,560	*	*	*	*	*	*	*	*	*	*	*	*	2,560	*

* NO CASES REPORTED

TABLE B-35. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, SUPPORTING AGENCY, AND TYPE OF EMPLOYER: 1975
CONTINUED

FIELD AND SUPPORTING AGENCY	TOTAL	BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS				HOSPITAL/ CLINIC	NONPROFIT ORGS.	FEDERAL GOV'T	MILITARY/ COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
			TOTAL	4-YEAR COLL/ UNIV.	2-YEAR COLL.	ELEM/ SEC. SCHOOL									
PHYSICISTS/ASTRONOMERS															
TOTAL	20,483	4,107	11,739	11,322	340	77	105	908	2,090	213	20	26	11	1,234	30
TOTAL SUPPORTED	11,720	2,060	6,497	6,439	52	6	70	777	2,090	213	*	13	*	*	*
NASA	2,141	455	1,132	1,112	20	*	*	102	452	*	*	*	*	*	*
NSF	3,147	108	2,743	2,727	10	6	*	196	92	*	*	8	*	*	*
EPA	159	62	48	48	*	*	*	12	37	*	*	*	*	*	*
ERDA (AEC)	3,649	505	2,444	2,444	*	*	8	507	185	*	*	*	*	*	*
NRC (AEC)	260	85	86	86	*	*	*	14	75	*	*	*	*	*	*
AID	12	*	*	*	*	*	*	7	*	*	*	5	*	*	*
HEW, TOTAL	455	24	329	318	11	*	49	11	31	11	*	*	*	*	*
NIH	341	24	247	247	*	*	49	*	21	*	*	*	*	*	*
ALCOHOL/DRUG ABUSE&MHA	11	*	*	*	*	*	*	11	*	*	*	*	*	*	*
OE	48	*	48	37	11	*	*	*	*	*	*	*	*	*	*
OTHER HEW	69	1	47	47	*	*	*	*	10	11	*	*	*	*	*
DOD	3,870	1,356	986	975	11	*	*	189	1,137	202	*	*	*	*	*
COMMERCE	378	8	59	59	*	*	*	9	302	*	*	*	*	*	*
USDA	19	10	9	9	*	*	*	*	*	*	*	*	*	*	*
HUD	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
DOT	78	23	30	30	*	*	*	*	25	*	*	*	*	*	*
JUSTICE	7	1	*	*	*	*	*	6	*	*	*	*	*	*	*
INTERIOR	80	29	29	29	*	*	*	7	15	*	*	*	*	*	*
OTHER	297	59	99	99	*	*	21	9	109	*	*	*	*	*	*
SOURCE UNKNOWN	41	31	10	10	*	*	*	*	*	*	*	*	*	*	*
SOURCE NOT REPORTED	68	*	55	55	*	*	*	3	10	*	*	*	*	*	*
SUPPORT STATUS UNKNOWN	165	18	139	111	28	*	1	2	*	*	*	5	*	*	*
NOT SUPPORTED	7,263	2,005	5,055	4,724	260	71	34	118	*	*	20	5	11	*	15
NO REPORT	101	24	48	48	*	*	*	11	*	*	*	3	*	*	15
NOT EMPLOYED	1,234	*	*	*	*	*	*	*	*	*	*	*	*	1,234	*
MATHEMATICAL SCIENTISTS															
TOTAL	14,542	1,066	12,006	11,682	266	58	2	214	572	47	28	7	*	600	*
TOTAL SUPPORTED	3,382	361	2,196	2,182	6	8	2	190	572	47	14	*	*	*	*
NASA	167	54	83	83	*	*	*	6	24	*	*	*	*	*	*
NSF	1,564	*	1,469	1,467	2	*	*	66	29	*	*	*	*	*	*
EPA	61	29	17	17	*	*	*	*	15	*	*	*	*	*	*
ERDA (AEC)	187	59	80	80	*	*	*	48	*	*	*	*	*	*	*
NRC (AEC)	40	*	32	32	*	*	*	8	*	*	*	*	*	*	*
AID	8	*	8	8	*	*	*	*	*	*	*	*	*	*	*
HEW, TOTAL	276	37	165	153	4	8	2	7	51	*	14	*	*	*	*
NIH	141	14	89	89	*	*	*	6	30	*	2	*	*	*	*
ALCOHOL/DRUG ABUSE&MHA	3	*	*	*	*	*	*	*	3	*	*	*	*	*	*
OE	63	10	47	35	4	8	*	1	5	*	*	*	*	*	*
OTHER HEW	90	23	40	40	*	*	2	*	13	*	12	*	*	*	*
DOD	1,182	231	485	485	*	*	*	74	345	47	*	*	*	*	*
COMMERCE	84	13	13	13	*	*	*	3	55	*	*	*	*	*	*
USDA	25	*	15	15	*	*	*	*	10	*	*	*	*	*	*
HUD	18	*	*	*	*	*	*	*	18	*	*	*	*	*	*
DOT	67	38	27	27	*	*	*	2	*	*	*	*	*	*	*
JUSTICE	5	*	*	*	*	*	*	5	*	*	*	*	*	*	*
INTERIOR	24	13	8	8	*	*	*	3	*	*	*	*	*	*	*
OTHER	127	23	54	54	*	*	*	*	50	*	*	*	*	*	*
SOURCE UNKNOWN	17	*	17	17	*	*	*	*	*	*	*	*	*	*	*
SOURCE NOT REPORTED	27	3	24	24	*	*	*	*	*	*	*	*	*	*	*
SUPPORT STATUS UNKNOWN	359	7	352	306	43	3	*	*	*	*	*	*	*	*	*
NOT SUPPORTED	10,120	690	9,392	9,131	214	47	*	17	*	*	14	7	*	*	*
NO REPORT	81	8	66	63	3	*	*	7	*	*	*	*	*	*	*
NOT EMPLOYED	600	*	*	*	*	*	*	*	*	*	*	*	*	600	*
MATHEMATICIANS															
TOTAL	12,729	847	10,655	10,335	262	58	*	190	381	47	23	7	*	579	*
TOTAL SUPPORTED	2,681	260	1,813	1,801	4	8	*	166	381	47	14	*	*	*	*
NASA	119	35	62	62	*	*	*	6	16	*	*	*	*	*	*
NSF	1,405	*	1,321	1,321	*	*	*	66	18	*	*	*	*	*	*
EPA	42	10	17	17	*	*	*	*	15	*	*	*	*	*	*
ERDA (AEC)	121	25	67	67	*	*	*	29	*	*	*	*	*	*	*
NRC (AEC)	34	*	26	26	*	*	*	8	*	*	*	*	*	*	*
AID	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HEW, TOTAL	142	17	95	83	4	8	*	6	10	*	14	*	*	*	*
NIH	62	*	47	47	*	*	*	6	7	*	2	*	*	*	*
ALCOHOL/DRUG ABUSE&MHA	3	*	*	*	*	*	*	*	3	*	*	*	*	*	*
OE	30	*	30	18	4	8	*	*	*	*	*	*	*	*	*
OTHER HEW	47	17	18	18	*	*	*	*	*	*	12	*	*	*	*
DOD	933	194	343	343	*	*	*	74	275	47	*	*	*	*	*
COMMERCE	62	13	8	8	*	*	*	3	38	*	*	*	*	*	*
USDA	5	*	5	5	*	*	*	*	*	*	*	*	*	*	*
HUD	6	*	*	*	*	*	*	*	6	*	*	*	*	*	*
DOT	43	28	15	15	*	*	*	*	*	*	*	*	*	*	*
JUSTICE	3	*	*	*	*	*	*	3	*	*	*	*	*	*	*
INTERIOR	24	13	8	8	*	*	*	3	*	*	*	*	*	*	*
OTHER	85	13	44	44	*	*	*	*	28	*	*	*	*	*	*
SOURCE UNKNOWN	17	*	17	17	*	*	*	*	*	*	*	*	*	*	*
SOURCE NOT REPORTED	17	3	14	14	*	*	*	*	*	*	*	*	*	*	*
SUPPORT STATUS UNKNOWN	333	7	326	282	41	3	*	*	*	*	*	*	*	*	*
NOT SUPPORTED	9,055	572	8,450	8,189	214	47	*	17	*	*	9	7	*	*	*
NO REPORT	81	8	66	63	3	*	*	7	*	*	*	*	*	*	*
NOT EMPLOYED	579	*	*	*	*	*	*	*	*	*	*	*	*	579	*

* NO CASES REPORTED

TABLE B-35. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, SUPPORTING AGENCY, AND TYPE OF EMPLOYER: 1975
CONTINUED

			EDUCATIONAL INSTITUTIONS												
FIELD AND SUPPORTING AGENCY	TOTAL	BUSINESS/ INDUSTRY	TOTAL	4-YEAR COLL/ UNIV.	2-YEAR COLL.	ELEM/ SEC. SCHOOL	HOSPITAL/ CLINIC	NON-PROFIT ORGS.	FEDERAL GOV'T	MILITARY/ COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
STATISTICIANS															
TOTAL	1,813	219	1,351	1,347	4	*	2	24	191	*	5	*	*	21	*
TOTAL SUPPORTED	701	101	383	381	2	*	2	24	191	*	*	*	*	*	*
NASA	48	19	21	21	*	*	*	*	8	*	*	*	*	*	*
NSF	159	*	148	146	2	*	*	*	11	*	*	*	*	*	*
EPA	19	19	*	*	*	*	*	*	*	*	*	*	*	*	*
ERDA (AEC)	66	34	13	13	*	*	*	19	*	*	*	*	*	*	*
NRC (AEC)	6	*	6	6	*	*	*	*	*	*	*	*	*	*	*
AID	8	*	8	8	*	*	*	*	*	*	*	*	*	*	*
HEW, TOTAL	134	20	70	70	*	*	2	1	41	*	*	*	*	*	*
NIH	79	14	42	42	*	*	*	*	23	*	*	*	*	*	*
ALCOHOL/DRUG ABUSE&MHA	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OE	33	10	17	17	*	*	*	1	5	*	*	*	*	*	*
OTHER HEW	43	6	22	22	*	*	2	*	13	*	*	*	*	*	*
DOD	249	37	142	142	*	*	*	*	70	*	*	*	*	*	*
COMMERCE	22	*	5	5	*	*	*	*	17	*	*	*	*	*	*
USDA	20	*	10	10	*	*	*	*	10	*	*	*	*	*	*
HUD	12	*	*	*	*	*	*	*	12	*	*	*	*	*	*
DOT	24	10	12	12	*	*	*	2	*	*	*	*	*	*	*
JUSTICE	2	*	*	*	*	*	*	2	*	*	*	*	*	*	*
INTERIOR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OTHER	42	10	10	10	*	*	*	*	22	*	*	*	*	*	*
SOURCE UNKNOWN	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SOURCE NOT REPORTED	10	*	10	10	*	*	*	*	*	*	*	*	*	*	*
SUPPORT STATUS UNKNOWN	26	*	26	24	2	*	*	*	*	*	*	*	*	*	*
NOT SUPPORTED	1,065	118	942	942	*	*	*	*	*	*	5	*	*	*	*
NO REPORT	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NOT EMPLOYED	21	*	*	*	*	*	*	*	*	*	*	*	*	21	*
OMPUTER SPECIALISTS															
TOTAL	3,662	1,474	1,765	1,761	4	*	10	88	211	72	3	31	3	5	*
TOTAL SUPPORTED	1,341	301	654	654	*	*	*	83	211	72	1	19	*	*	*
NASA	140	30	96	96	*	*	*	4	10	*	*	*	*	*	*
NSF	331	*	288	288	*	*	*	18	25	*	*	*	*	*	*
EPA	49	11	32	32	*	*	*	6	*	*	*	*	*	*	*
ERDA (AEC)	166	28	106	106	*	*	*	32	*	*	*	*	*	*	*
NRC (AEC)	11	*	11	11	*	*	*	*	*	*	*	*	*	*	*
AID	5	*	*	*	*	*	*	5	*	*	*	*	*	*	*
HEW, TOTAL	159	24	91	91	*	*	*	28	16	*	*	*	*	*	*
NIH	138	13	91	91	*	*	*	18	16	*	*	*	*	*	*
ALCOHOL/DRUG ABUSE&MHA	44	18	16	16	*	*	*	10	*	*	*	*	*	*	*
OE	4	1	3	3	*	*	*	*	*	*	*	*	*	*	*
OTHER HEW	15	5	*	*	*	*	*	10	*	*	*	*	*	*	*
DOD	568	189	183	183	*	*	*	15	109	72	*	*	*	*	*
COMMERCE	30	*	5	5	*	*	*	*	25	*	*	*	*	*	*
USDA	8	*	*	*	*	*	*	*	8	*	*	*	*	*	*
HUD	7	*	*	*	*	*	*	*	*	*	*	7	*	*	*
DOT	65	33	16	16	*	*	*	3	12	*	1	*	*	*	*
JUSTICE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
INTERIOR	8	*	*	*	*	*	*	*	8	*	*	*	*	*	*
OTHER	21	*	9	9	*	*	*	*	*	*	*	12	*	*	*
SOURCE UNKNOWN	24	14	*	*	*	*	*	10	*	*	*	*	*	*	*
SOURCE NOT REPORTED	7	*	7	7	*	*	*	*	*	*	*	*	*	*	*
SUPPORT STATUS UNKNOWN	75	30	38	38	*	*	2	5	*	*	*	*	*	*	*
NOT SUPPORTED	2,241	1,143	1,073	1,069	4	*	8	*	*	*	2	12	3	*	*
NO REPORT	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NOT EMPLOYED	5	*	*	*	*	*	*	*	*	*	*	*	*	5	*
ENVIRONMENTAL SCIENTISTS															
TOTAL	12,783	2,978	6,170	6,015	129	26	1	534	2,230	92	357	79	*	342	*
TOTAL SUPPORTED	6,841	600	3,314	3,303	2	9	1	417	2,230	92	168	19	*	*	*
NASA	959	68	508	508	*	*	*	43	328	*	12	*	*	*	*
NSF	2,286	76	1,908	1,907	*	1	*	199	85	*	18	*	*	*	*
EPA	994	223	357	357	*	*	*	69	218	*	108	19	*	*	*
ERDA (AEC)	692	125	373	371	2	*	*	79	106	*	9	*	*	*	*
NRC (AEC)	158	46	12	12	*	*	*	20	80	*	*	*	*	*	*
AID	35	*	10	10	*	*	*	6	19	*	*	*	*	*	*
HEW, TOTAL	179	*	147	139	*	8	1	1	30	*	*	*	*	*	*
NIH	71	*	46	46	*	*	1	*	24	*	*	*	*	*	*
ALCOHOL/DRUG ABUSE&MHA	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OE	66	*	66	58	*	8	*	*	*	*	*	*	*	*	*
OTHER HEW	53	*	46	46	*	*	*	1	6	*	*	*	*	*	*
DOD	1,458	184	688	688	*	*	*	100	403	83	*	*	*	*	*
COMMERCE	635	*	274	274	*	*	*	30	322	2	7	*	*	*	*
USDA	284	11	171	171	*	*	*	*	102	*	*	*	*	*	*
HUD	50	22	*	*	*	*	*	*	4	*	24	*	*	*	*
DOT	150	39	69	69	*	*	*	12	28	*	2	*	*	*	*
JUSTICE	8	8	*	*	*	*	*	*	*	*	*	*	*	*	*
INTERIOR	1,477	31	491	491	*	*	*	31	899	7	18	*	*	*	*
OTHER	303	63	103	103	*	*	*	26	91	*	20	*	*	*	*
SOURCE UNKNOWN	14	*	12	12	*	*	*	*	2	*	*	*	*	*	*
SOURCE NOT REPORTED	15	9	6	6	*	*	*	*	*	*	*	*	*	*	*
SUPPORT STATUS UNKNOWN	136	41	84	60	24	*	*	*	*	*	8	3	*	*	*
NOT SUPPORTED	5,363	2,300	2,714	2,599	98	17	*	111	*	*	181	57	*	*	*
NO REPORT	101	37	58	53	5	*	*	6	*	*	*	*	*	*	*
NOT EMPLOYED	342	*	*	*	*	*	*	*	*	*	*	*	*	342	*

* NO CASES REPORTED

TABLE B-35. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, SUPPORTING AGENCY, AND TYPE OF EMPLOYER: 1975
CONTINUED

FIELD AND SUPPORTING AGENCY	TOTAL	BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS TOTAL	4-YEAR COLL/ UNIV.	2-YEAR COLL.	ELEM/ SEC. SCHOOL	HOSPITAL/ CLINIC	NONPROFIT ORGS.	FEDERAL GOV'T	MILITARY/ COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
EARTH SCIENTISTS															
TOTAL......................	10,076	2,730	4,754	4,628	100	26	1	295	1,577	48	310	66	*	295	*
TOTAL SUPPORTED..........	4,528	444	2,111	2,100	2	9	1	207	1,577	48	121	19	*	*	*
NASA....................	563	19	312	312	*	*	*	33	199	*	*	*	*	*	*
NSF.....................	1,268	67	1,089	1,088	*	1	*	77	35	*	*	*	*	*	*
EPA.....................	726	176	236	236	*	*	*	60	152	*	83	19	*	*	*
ERDA (AEC)..............	462	106	251	249	2	*	*	46	59	*	*	*	*	*	*
NRC (AEC)...............	125	35	12	12	*	*	*	11	67	*	*	*	*	*	*
AID.....................	35	*	10	10	*	*	*	6	19	*	*	*	*	*	*
HEW, TOTAL..............	172	*	140	132	*	8	1	1	30	*	*	*	*	*	*
NIH....................	64	*	39	39	*	*	1	*	24	*	*	*	*	*	*
ALCOHOL/DRUG ABUSE&MHA	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OE.....................	66	*	66	58	*	8	*	*	*	*	*	*	*	*	*
OTHER HEW..............	53	*	46	46	*	*	*	1	6	*	*	*	*	*	*
DOD.....................	721	111	310	310	*	*	*	31	228	41	*	*	*	*	*
COMMERCE................	228	*	119	119	*	*	*	22	87	*	*	*	*	*	*
USDA....................	269	11	156	156	*	*	*	*	102	*	*	*	*	*	*
HUD.....................	46	22	*	*	*	*	*	*	*	*	24	*	*	*	*
DOT.....................	79	30	31	31	*	*	*	12	4	*	2	*	*	*	*
JUSTICE.................	8	8	*	*	*	*	*	*	*	*	*	*	*	*	*
INTERIOR................	1,329	19	420	420	*	*	*	31	835	7	17	*	*	*	*
OTHER...................	237	63	60	60	*	*	*	21	73	*	20	*	*	*	*
SOURCE UNKNOWN..........	14	*	12	12	*	*	*	*	2	*	*	*	*	*	*
SOURCE NOT REPORTED....	15	9	6	6	*	*	*	*	*	*	*	*	*	*	*
SUPPORT STATUS UNKNOWN..	94	41	45	35	10	*	*	*	*	*	8	*	*	*	*
NOT SUPPORTED...........	5,083	2,219	2,548	2,448	83	17	*	88	*	*	181	47	*	*	*
NO REPORT...............	76	26	50	45	5	*	*	*	*	*	*	*	*	*	*
NOT EMPLOYED............	295	*	*	*	*	*	*	*	*	*	*	*	*	295	*
OCEANOGRAPHERS															
TOTAL......................	1,353	76	840	818	22	*	*	107	239	12	33	13	*	33	*
TOTAL SUPPORTED..........	1,095	31	702	702	*	*	*	78	239	12	33	*	*	*	*
NASA....................	29	*	9	9	*	*	*	*	8	*	12	*	*	*	*
NSF.....................	607	*	503	503	*	*	*	57	30	*	17	*	*	*	*
EPA.....................	97	18	50	50	*	*	*	*	17	*	12	*	*	*	*
ERDA (AEC)..............	126	12	54	54	*	*	*	6	45	*	9	*	*	*	*
NRC (AEC)...............	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
AID.....................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HEW, TOTAL..............	7	*	7	7	*	*	*	*	*	*	*	*	*	*	*
NIH....................	7	*	7	7	*	*	*	*	*	*	*	*	*	*	*
ALCOHOL/DRUG ABUSE&MHA	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OE.....................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OTHER HEW..............	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
DOD.....................	404	25	258	258	*	*	*	28	83	10	*	*	*	*	*
COMMERCE................	212	*	112	112	*	*	*	8	83	2	7	*	*	*	*
USDA....................	6	*	6	6	*	*	*	*	*	*	*	*	*	*	*
HUD.....................	4	*	*	*	*	*	*	*	4	*	*	*	*	*	*
DOT.....................	11	*	11	11	*	*	*	*	*	*	*	*	*	*	*
JUSTICE.................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
INTERIOR................	127	12	70	70	*	*	*	*	45	*	*	*	*	*	*
OTHER...................	47	*	33	33	*	*	*	5	9	*	*	*	*	*	*
SOURCE UNKNOWN..........	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SOURCE NOT REPORTED....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SUPPORT STATUS UNKNOWN..	32	*	29	15	14	*	*	*	*	*	*	3	*	*	*
NOT SUPPORTED...........	176	34	109	101	8	*	*	23	*	*	*	10	*	*	*
NO REPORT...............	17	11	*	*	*	*	*	6	*	*	*	*	*	*	*
NOT EMPLOYED............	33	*	*	*	*	*	*	*	*	*	*	*	*	33	*
ATMOSPHERIC SCIENTISTS															
TOTAL......................	1,354	172	576	569	7	*	*	132	414	32	14	*	*	14	*
TOTAL SUPPORTED..........	1,218	125	501	501	*	*	*	132	414	32	14	*	*	*	*
NASA....................	367	49	187	187	*	*	*	10	121	*	*	*	*	*	*
NSF.....................	411	9	316	316	*	*	*	65	20	*	1	*	*	*	*
EPA.....................	171	29	71	71	*	*	*	9	49	*	13	*	*	*	*
ERDA (AEC)..............	104	7	68	68	*	*	*	27	2	*	*	*	*	*	*
NRC (AEC)...............	33	11	*	*	*	*	*	9	13	*	*	*	*	*	*
AID.....................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HEW, TOTAL..............	*	*	*		*	*	*	*	*	*	*	*	*	*	*
NIH....................	*	*	*		*	*	*	*	*	*	*	*	*	*	*
ALCOHOL/DRUG ABUSE&MHA	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OE.....................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OTHER HEW..............	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
DOD.....................	333	48	120	120	*	*	*	41	92	32	*	*	*	*	*
COMMERCE................	195	*	43	43	*	*	*	*	152	*	*	*	*	*	*
USDA....................	9	*	9	9	*	*	*	*	*	*	*	*	*	*	*
HUD.....................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
DOT.....................	60	9	27	27	*	*	*	*	24	*	*	*	*	*	*
JUSTICE.................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
INTERIOR................	21	*	1	1	*	*	*	*	19	*	1	*	*	*	*
OTHER...................	19	*	10	10	*	*	*	*	9	*	*	*	*	*	*
SOURCE UNKNOWN..........	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SOURCE NOT REPORTED....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SUPPORT STATUS UNKNOWN..	10	*	10	10	*	*	*	*	*	*	*	*	*	*	*
NOT SUPPORTED...........	104	47	57	50	7	*	*	*	*	*	*	*	*	*	*
NO REPORT...............	8	*	8	8	*	*	*	*	*	*	*	*	*	*	*
NOT EMPLOYED............	14	*	*	*	*	*	*	*	*	*	*	*	*	14	*

* NO CASES REPORTED

TABLE B-35. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, SUPPORTING AGENCY, AND TYPE OF EMPLOYER: 1975
CONTINUED

FIELD AND SUPPORTING AGENCY	TOTAL	BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS				HOSPITAL/ CLINIC	NONPROFIT ORGS.	FEDERAL GOV'T	MILITARY/ COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
			TOTAL	4-YEAR COLL/ UNIV.	2-YEAR COLL.	ELEM/ SEC. SCHOOL									
ENGINEERS															
TOTAL	44,425	22,535	15,306	15,129	177	*	24	1,233	3,079	700	227	211	*	1,069	41
TOTAL SUPPORTED	20,621	7,280	8,228	8,200	28	*	17	1,109	3,079	700	86	111	*	*	11
NASA	3,290	1,455	1,159	1,159	*	*	*	96	552	28	*	*	*	*	*
NSF	2,976	201	2,615	2,615	*	*	*	62	88	10	*	*	*	*	*
EPA	1,312	443	565	554	11	*	11	65	130	51	23	24	*	*	*
ERDA (AEC)	3,384	1,502	1,197	1,189	8	*	*	369	270	32	14	*	*	*	*
NRC (AEC)	530	195	131	131	*	*	*	140	57	7	*	*	*	*	*
AID	67	1	54	43	11	*	*	*	12	*	*	*	*	*	*
HEW, TOTAL	1,291	134	996	984	12	*	11	38	67	21	12	12	*	*	*
NIH	1,021	83	825	814	11	*	11	38	41	11	*	12	*	*	*
ALCOHOL/DRUG ABUSE&MHA	25	21	4	4	*	*	*	*	*	*	*	*	*	*	*
OE	132	11	107	96	11	*	*	4	*	10	*	*	*	*	*
OTHER HEW	224	37	145	144	1	*	*	4	26	*	12	*	*	*	*
DOD	9,611	4,524	2,315	2,304	11	*	*	537	1,596	639	*	*	*	*	*
COMMERCE	398	105	150	150	*	*	*	25	118	*	*	*	*	*	*
USDA	619	26	428	412	16	*	*	8	143	*	14	*	*	*	*
HUD	114	73	27	27	*	*	*	4	*	*	*	10	*	*	*
DOT	1,188	303	549	549	*	*	*	64	211	10	30	21	*	*	*
JUSTICE	153	57	51	51	*	*	*	25	5	*	*	15	*	*	*
INTERIOR	981	175	635	624	11	*	*	29	132	10	*	*	*	*	*
OTHER	695	167	277	277	*	*	5	48	174	*	7	6	*	*	11
SOURCE UNKNOWN	181	102	55	55	*	*	1	*	*	*	*	23	*	*	*
SOURCE NOT REPORTED	106	50	48	48	*	*	*	8	*	*	*	*	*	*	*
SUPPORT STATUS UNKNOWN	539	275	229	221	8	*	*	18	*	*	10	7	*	*	*
NOT SUPPORTED	21,919	14,846	6,764	6,623	141	*	7	91	*	*	128	83	*	*	*
NO REPORT	277	134	85	85	*	*	*	15	*	*	3	10	*	*	30
NOT EMPLOYED	1,069	*	*	*	*	*	*	*	*	*	*	*	*	1,069	*
LIFE SCIENTISTS															
TOTAL	72,316	9,129	45,115	44,074	876	165	2,259	1,880	6,496	601	1,050	489	17	5,167	113
TOTAL SUPPORTED	37,749	906	26,346	26,258	78	10	1,155	1,381	6,496	601	565	269	8	*	22
NASA	587	24	396	396	*	*	*	16	134	17	*	*	*	*	*
NSF	4,626	67	4,228	4,199	29	*	28	201	82	*	13	*	3	*	4
EPA	1,283	62	720	720	*	*	5	68	333	23	44	28	*	*	*
ERDA (AEC)	1,181	172	736	736	*	*	7	187	74	5	*	*	*	*	*
NRC (AEC)	174	*	113	113	*	*	2	29	14	6	10	*	*	*	*
AID	642	12	464	464	*	*	*	63	75	*	1	27	*	*	*
HEW, TOTAL	19,861	452	15,170	15,130	38	2	797	1,059	1,703	326	247	99	8	*	*
NIH	17,172	353	13,683	13,679	4	*	709	967	1,137	170	95	53	5	*	*
ALCOHOL/DRUG ABUSE&MHA	842	26	586	586	*	*	61	16	62	22	40	29	*	*	*
OE	490	6	408	383	23	2	20	33	10	*	10	*	3	*	*
OTHER HEW	2,314	94	1,220	1,205	15	*	88	68	548	134	129	33	*	*	*
DOD	1,504	93	634	634	*	*	21	46	455	245	8	2	*	*	*
COMMERCE	394	20	173	173	*	*	*	10	128	*	38	20	*	*	5
USDA	9,918	64	6,592	6,587	5	*	*	2	3,084	*	158	5	*	*	13
HUD	66	18	37	37	*	*	*	*	5	*	*	6	*	*	*
DOT	126	5	89	88	1	*	*	*	21	6	5	*	*	*	*
JUSTICE	62	6	24	24	*	*	*	3	8	5	2	14	*	*	*
INTERIOR	1,243	16	706	706	*	*	*	30	431	*	49	11	*	*	*
OTHER	1,802	23	815	802	11	2	402	48	425	9	27	50	3	*	*
SOURCE UNKNOWN	487	36	328	319	3	6	41	5	12	*	22	43	*	*	*
SOURCE NOT REPORTED	126	10	105	105	*	*	*	*	6	*	5	*	*	*	*
SUPPORT STATUS UNKNOWN	1,794	107	1,463	1,348	83	32	139	24	*	*	58	3	*	*	*
NOT SUPPORTED	26,861	7,935	16,867	16,046	709	112	932	460	*	*	416	210	5	*	36
NO REPORT	745	181	439	422	6	11	33	15	*	*	11	7	4	*	55
NOT EMPLOYED	5,167	*	*	*	*	*	*	*	*	*	*	*	*	5,167	*
BIOLOGICAL SCIENTISTS															
TOTAL	43,754	3,568	29,632	28,727	748	157	1,019	1,366	3,535	219	485	151	7	3,721	51
TOTAL SUPPORTED	22,683	556	16,292	16,251	39	2	664	1,062	3,535	219	248	82	3	*	22
NASA	359	11	251	251	*	*	*	10	87	*	*	*	*	*	*
NSF	4,107	43	3,769	3,746	23	*	21	196	58	*	13	*	3	*	4
EPA	717	39	412	412	*	*	*	55	159	17	24	11	*	*	*
ERDA (AEC)	994	149	618	618	*	*	7	164	51	5	*	*	*	*	*
NRC (AEC)	145	*	113	113	*	*	*	24	8	*	*	*	*	*	*
AID	178	*	126	126	*	*	*	18	34	*	*	*	*	*	*
HEW, TOTAL	13,974	243	11,053	11,032	21	*	520	830	1,075	103	122	25	3	*	*
NIH	12,902	243	10,432	10,429	3	*	509	780	786	74	55	23	*	*	*
ALCOHOL/DRUG ABUSE&MHA	259	*	175	175	*	*	16	10	29	10	19	*	*	*	*
OE	230	1	196	190	6	*	4	22	4	*	*	*	3	*	*
OTHER HEW	1,046	8	642	627	15	*	7	31	278	19	59	2	*	*	*
DOD	962	65	386	386	*	*	5	35	372	89	8	2	*	*	*
COMMERCE	225	*	129	129	*	*	*	10	70	*	*	11	*	*	5
USDA	3,205	24	1,812	1,812	*	*	*	*	1,276	*	75	5	*	*	13
HUD	26	*	21	21	*	*	*	*	5	*	*	*	*	*	*
DOT	44	5	31	30	1	*	*	*	3	*	5	*	*	*	*
JUSTICE	37	6	18	18	*	*	*	3	*	5	*	5	*	*	*
INTERIOR	646	16	359	359	*	*	*	17	241	*	11	2	*	*	*
OTHER	891	12	315	313	*	2	204	35	307	*	9	6	3	*	*
SOURCE UNKNOWN	280	30	198	195	3	*	11	5	6	*	5	25	*	*	*
SOURCE NOT REPORTED	98	10	80	80	*	*	*	*	3	*	5	*	*	*	*
SUPPORT STATUS UNKNOWN	908	37	780	670	78	32	39	17	*	*	35	*	*	*	*
NOT SUPPORTED	16,069	2,918	12,286	11,549	625	112	311	282	*	*	191	69	*	*	12
NO REPORT	373	57	274	257	6	11	5	5	*	*	11	*	4	*	17
NOT EMPLOYED	3,721	*	*	*	*	*	*	*	*	*	*	*	*	3,721	*

* NO CASES REPORTED

TABLE B-35. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, SUPPORTING AGENCY, AND TYPE OF EMPLOYER: 1975
CONTINUED

FIELD AND SUPPORTING AGENCY	TOTAL	BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS TOTAL	4-YEAR COLL/ UNIV.	2-YEAR COLL.	ELEM/ SEC. SCHOOL	HOSPITAL/ CLINIC	NON-PROFIT ORGS.	FEDERAL GOV'T	MILITARY/ COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
AGRICULTURAL SCIENTISTS															
TOTAL	14,277	2,687	8,263	8,174	81	8	*	147	2,144	*	244	142	*	621	29
TOTAL SUPPORTED	8,215	116	5,678	5,644	26	8	*	47	2,144	*	143	87	*	*	*
NASA	101	13	64	64	*	*	*	*	24	*	*	*	*	*	*
NSF	283	4	277	277	*	*	*	*	2	*	*	*	*	*	*
EPA	386	10	247	247	*	*	*	13	116	*	*	*	*	*	*
ERDA (AEC)	39	12	27	27	*	*	*	*	*	*	*	*	*	*	*
NRC (AEC)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
AID	396	12	287	287	*	*	*	34	36	*	*	27	*	*	*
HEW, TOTAL	322	22	244	226	16	2	*	*	56	*	*	*	*	*	*
NIH	133	*	120	120	*	*	*	*	13	*	*	*	*	*	*
ALCOHOL/DRUG ABUSE&MHA	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OE	93	*	93	75	16	2	*	*	*	*	*	*	*	*	*
OTHER HEW	118	22	53	53	*	*	*	*	43	*	*	*	*	*	*
DOD	79	11	48	48	*	*	*	*	20	*	*	*	*	*	*
COMMERCE	147	20	44	44	*	*	*	*	46	*	28	9	*	*	*
USDA	6,458	33	4,587	4,582	5	*	*	*	1,766	*	72	*	*	*	*
HUD	29	13	16	16	*	*	*	*	*	*	*	*	*	*	*
DOT	38	*	38	38	*	*	*	*	*	*	*	*	*	*	*
JUSTICE	1	*	1	1	*	*	*	*	*	*	*	*	*	*	*
INTERIOR	561	*	328	328	*	*	*	13	173	*	38	9	*	*	*
OTHER	397	*	323	318	5	*	*	*	29	*	12	33	*	*	*
SOURCE UNKNOWN	110	*	92	86	*	6	*	*	*	*	*	18	*	*	*
SOURCE NOT REPORTED	14	*	11	11	*	*	*	*	3	*	*	*	*	*	*
SUPPORT STATUS UNKNOWN	346	23	313	308	5	*	*	*	*	*	10	*	*	*	*
NOT SUPPORTED	4,899	2,471	2,187	2,137	50	*	*	90	*	*	91	50	*	*	10
NO REPORT	196	77	85	85	*	*	*	10	*	*	*	5	*	*	19
NOT EMPLOYED	621	*	*	*	*	*	*	*	*	*	*	*	*	621	*
MEDICAL SCIENTISTS															
TOTAL	14,285	2,874	7,220	7,173	47	*	1,240	367	817	382	321	196	10	825	33
TOTAL SUPPORTED	6,851	234	4,376	4,363	13	*	491	272	817	382	174	100	5	*	*
NASA	127	*	81	81	*	*	*	6	23	17	*	*	*	*	*
NSF	236	20	182	176	6	*	7	5	22	*	*	*	*	*	*
EPA	180	13	61	61	*	*	5	*	58	6	20	17	*	*	*
ERDA (AEC)	148	11	91	91	*	*	*	23	23	*	*	*	*	*	*
NRC (AEC)	29	*	*	*	*	*	2	5	6	6	10	*	*	*	*
AID	68	*	51	51	*	*	*	11	5	*	1	*	*	*	*
HEW, TOTAL	5,565	187	3,873	3,872	1	*	277	229	572	223	125	74	5	*	*
NIH	4,137	110	3,131	3,130	1	*	200	187	338	96	40	30	5	*	*
ALCOHOL/DRUG ABUSE&MHA	583	26	411	411	*	*	45	6	33	12	21	29	*	*	*
OE	167	5	119	118	1	*	16	11	6	*	10	*	*	*	*
OTHER HEW	1,150	64	525	525	*	*	81	37	227	115	70	31	*	*	*
DOD	463	17	200	200	*	*	16	11	63	156	*	*	*	*	*
COMMERCE	22	*	*	*	*	*	*	*	12	*	10	*	*	*	*
USDA	255	7	193	193	*	*	*	2	42	*	11	*	*	*	*
HUD	11	5	*	*	*	*	*	*	*	*	*	6	*	*	*
DOT	44	*	20	20	*	*	*	*	18	6	*	*	*	*	*
JUSTICE	24	*	5	5	*	*	*	*	8	*	2	9	*	*	*
INTERIOR	36	*	19	19	*	*	*	*	17	*	*	*	*	*	*
OTHER	514	11	177	171	6	*	198	13	89	9	6	11	*	*	*
SOURCE UNKNOWN	97	6	38	38	*	*	30	*	6	*	17	*	*	*	*
SOURCE NOT REPORTED	14	*	14	14	*	*	*	*	*	*	*	*	*	*	*
SUPPORT STATUS UNKNOWN	540	47	370	370	*	*	100	7	*	*	13	3	*	*	*
NOT SUPPORTED	5,893	2,546	2,394	2,360	34	*	621	88	*	*	134	91	5	*	14
NO REPORT	176	47	80	80	*	*	28	*	*	*	*	2	*	*	19
NOT EMPLOYED	825	*	*	*	*	*	*	*	*	*	*	*	*	825	*
PSYCHOLOGISTS															
TOTAL	31,613	4,187	17,828	16,151	533	1,144	4,733	1,081	979	259	730	472	31	1,279	34
TOTAL SUPPORTED	11,413	971	5,485	5,076	74	335	2,423	622	979	259	373	270	22	*	9
NASA	157	38	71	71	*	*	*	17	30	*	*	*	*	*	1
NSF	936	12	819	808	11	*	*	74	30	*	*	*	*	*	1
EPA	45	30	11	11	*	*	*	4	*	*	*	*	*	*	*
ERDA (AEC)	22	*	6	6	*	*	*	10	6	*	*	*	*	*	*
NRC (AEC)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
AID	30	*	11	11	*	*	*	19	*	*	*	*	*	*	*
HEW, TOTAL	7,799	588	4,251	3,895	64	292	1,640	490	224	38	324	214	22	*	8
NIH	3,405	153	2,074	2,050	10	14	836	149	45	*	64	84	*	*	*
ALCOHOL/DRUG ABUSE&MHA	2,046	117	705	704	*	1	746	166	89	21	72	130	*	*	*
OE	1,615	231	974	670	45	259	150	121	19	*	93	15	12	*	*
OTHER HEW	1,750	193	872	827	9	36	259	146	73	17	145	27	10	*	8
DOD	1,212	219	226	226	*	*	37	132	377	221	*	*	*	*	*
COMMERCE	61	*	24	24	*	*	*	*	37	*	*	*	*	*	*
USDA	109	8	101	101	*	*	*	*	*	*	*	*	*	*	*
HUD	66	21	19	13	6	*	*	*	10	*	10	6	*	*	*
DOT	180	70	25	25	*	*	*	51	26	*	8	*	*	*	*
JUSTICE	519	109	164	164	*	*	97	48	52	*	19	30	*	*	*
INTERIOR	22	8	12	12	*	*	*	*	2	*	*	*	*	*	*
OTHER	1,478	133	240	224	5	11	767	57	241	*	14	26	*	*	*
SOURCE UNKNOWN	338	49	155	124	*	31	110	2	*	*	13	9	*	*	*
SOURCE NOT REPORTED	61	2	28	27	*	1	5	*	26	*	*	*	*	*	*
SUPPORT STATUS UNKNOWN	1,783	184	988	815	80	93	448	34	*	*	67	54	*	*	8
NOT SUPPORTED	16,842	2,931	11,286	10,201	377	708	1,785	392	*	*	282	143	8	*	15
NO REPORT	296	101	69	59	2	8	77	33	*	*	8	5	1	*	2
NOT EMPLOYED	1,279	*	*	*	*	*	*	*	*	*	*	*	*	1,279	*

* NO CASES REPORTED

TABLE B-35. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, SUPPORTING AGENCY, AND TYPE OF EMPLOYER: 1975
CONTINUED

FIELD AND SUPPORTING AGENCY	TOTAL	BUSINESS/INDUSTRY	EDUCATIONAL INSTITUTIONS												
			TOTAL	4-YEAR COLL/UNIV.	2-YEAR COLL.	ELEM/SEC. SCHOOL	HOSPITAL/CLINIC	NONPROFIT ORGS.	FEDERAL GOV'T	MILITARY/COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
SOCIAL SCIENTISTS															
TOTAL	38,251	2,108	28,858	28,131	548	179	65	1,499	2,098	99	500	640	24	2,286	74
TOTAL SUPPORTED	10,053	617	5,751	5,685	24	42	48	794	2,098	99	304	320	17	*	5
NASA	160	45	89	89	*	*	*	*	20	*	*	6	*	*	*
NSF	1,603	50	1,348	1,348	*	*	*	139	41	*	7	18	*	*	*
EPA	192	65	85	85	*	*	*	15	27	*	*	*	*	*	*
ERDA (AEC)	91	31	23	23	*	*	*	9	28	*	*	*	*	*	*
NRC (AEC)	28	11	*	*	*	*	*	*	17	*	*	*	*	*	*
AID	503	26	222	222	*	*	*	112	118	*	*	25	*	*	*
HEW, TOTAL	3,004	184	2,041	1,985	14	42	43	364	217	*	112	26	17	*	*
NIH	965	20	751	751	*	*	29	112	35	*	15	3	*	*	*
ALCOHOL/DRUG ABUSE&MHA	323	36	214	214	*	*	4	23	21	*	16	9	*	*	*
OE	827	42	645	599	4	42	*	72	19	*	49	*	*	*	*
OTHER HEW	1,123	95	579	569	10	*	10	212	142	*	54	14	17	*	*
DOD	717	117	293	293	*	*	*	87	121	99	*	*	*	*	*
COMMERCE	419	65	198	198	*	*	*	2	125	*	23	6	*	*	*
USDA	629	*	525	525	*	*	*	11	93	*	*	*	*	*	*
HUD	341	55	134	134	*	*	16	27	25	*	39	45	*	*	*
DOT	378	127	150	150	*	*	*	5	13	*	55	28	*	*	*
JUSTICE	516	45	306	306	*	*	*	54	43	*	27	36	*	*	5
INTERIOR	335	*	278	278	*	*	*	11	43	*	3	*	*	*	*
OTHER	2,555	125	866	856	10	*	5	147	1,236	*	49	127	*	*	*
SOURCE UNKNOWN	192	18	130	126	4	*	*	10	17	*	5	12	*	*	*
SOURCE NOT REPORTED	121	2	43	43	*	*	*	*	51	*	*	25	*	*	*
SUPPORT STATUS UNKNOWN	1,157	27	1,093	1,035	46	12	*	27	*	*	10	*	*	*	*
NOT SUPPORTED	24,273	1,453	21,648	21,053	470	125	17	641	*	*	177	310	2	*	25
NO REPORT	482	11	366	358	8	*	*	37	*	*	9	10	5	*	44
NOT EMPLOYED	2,286	*	*	*	*	*	*	*	*	*	*	*	*	2,286	*
ECONOMISTS															
TOTAL	11,049	1,266	7,204	7,130	74	*	*	370	965	24	116	347	2	752	3
TOTAL SUPPORTED	3,012	330	1,276	1,276	*	*	*	215	965	24	60	142	*	*	*
NASA	43	18	25	25	*	*	*	*	*	*	*	*	*	*	*
NSF	545	39	429	429	*	*	*	74	3	*	*	*	*	*	*
EPA	50	39	11	11	*	*	*	*	*	*	*	*	*	*	*
ERDA (AEC)	43	20	23	23	*	*	*	*	*	*	*	*	*	*	*
NRC (AEC)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
AID	142	*	65	65	*	*	*	5	60	*	*	12	*	*	*
HEW, TOTAL	536	105	285	285	*	*	*	94	52	*	*	*	*	*	*
NIH	133	3	71	71	*	*	*	47	12	*	*	*	*	*	*
ALCOHOL/DRUG ABUSE&MHA	26	26	*	*	*	*	*	*	*	*	*	*	*	*	*
OE	124	16	108	108	*	*	*	*	*	*	*	*	*	*	*
OTHER HEW	311	69	145	145	*	*	*	57	40	*	*	*	*	*	*
DOD	237	78	50	50	*	*	*	52	33	24	*	*	*	*	*
COMMERCE	229	43	74	74	*	*	*	2	98	*	12	*	*	*	*
USDA	123	*	70	70	*	*	*	*	53	*	*	*	*	*	*
HUD	96	25	43	43	*	*	*	25	*	*	3	*	*	*	*
DOT	139	82	13	13	*	*	*	*	12	*	32	*	*	*	*
JUSTICE	38	3	2	2	*	*	*	11	22	*	*	*	*	*	*
INTERIOR	27	*	14	14	*	*	*	*	13	*	*	*	*	*	*
OTHER	1,142	80	296	296	*	*	*	40	594	*	25	107	*	*	*
SOURCE UNKNOWN	67	18	31	31	*	*	*	*	6	*	*	12	*	*	*
SOURCE NOT REPORTED	42	*	6	6	*	*	*	*	25	*	*	11	*	*	*
SUPPORT STATUS UNKNOWN	257	*	254	254	*	*	*	3	*	*	*	*	*	*	*
NOT SUPPORTED	6,914	936	5,582	5,508	74	*	*	135	*	*	54	205	2	*	*
NO REPORT	114	*	92	92	*	*	*	17	*	*	2	*	*	*	3
NOT EMPLOYED	752	*	*	*	*	*	*	*	*	*	*	*	*	752	*
SOCIOLOGISTS/ANTHRO.															
TOTAL	8,775	97	7,586	7,398	172	16	15	274	157	*	40	12	*	589	5
TOTAL SUPPORTED	2,131	36	1,785	1,771.	14	*	15	108	157	*	18	12	*	*	*
NASA	4	*	4	4	*	*	*	*	*	*	*	*	*	*	*
NSF	341	*	306	306	*	*	*	13	10	*	*	12	*	*	*
EPA	20	*	10	10	*	*	*	*	10	*	*	*	*	*	*
ERDA (AEC)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NRC (AEC)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
AID	76	*	52	52	*	*	*	14	10	*	*	*	*	*	*
HEW, TOTAL	1,034	22	893	879	14	*	10	65	35	*	9	*	*	*	*
NIH	466	*	417	417	*	*	*	30	10	*	9	*	*	*	*
ALCOHOL/DRUG ABUSE&MHA	212	10	200	200	*	*	*	2	*	*	*	*	*	*	*
OE	184	12	134	130	4	*	*	20	9	*	9	*	*	*	*
OTHER HEW	268	*	190	180	10	*	10	43	16	*	9	*	*	*	*
DOD	46	*	24	24	*	*	*	*	22	*	*	*	*	*	*
COMMERCE	22	*	22	22	*	*	*	*	*	*	*	*	*	*	*
USDA	317	*	290	290	*	*	*	*	27	*	*	*	*	*	*
HUD	10	*	10	10	*	*	*	*	*	*	*	*	*	*	*
DOT	12	*	12	12	*	*	*	*	*	*	*	*	*	*	*
JUSTICE	181	3	154	154	*	*	*	3	21	*	*	*	*	*	*
INTERIOR	91	*	73	73	*	*	*	*	18	*	*	*	*	*	*
OTHER	162	11	105	105	*	*	5	13	24	*	4	*	*	*	*
SOURCE UNKNOWN	33	*	18	14	4	*	*	10	*	*	5	*	*	*	*
SOURCE NOT REPORTED	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SUPPORT STATUS UNKNOWN	302	*	274	268	6	*	*	18	*	*	10	*	*	*	*
NOT SUPPORTED	5,659	61	5,442	5,282	144	16	*	139	*	*	12	*	*	*	5
NO REPORT	94	*	85	77	8	*	*	9	*	*	*	*	*	*	*
NOT EMPLOYED	589	*	*	*	*	*	*	*	*	*	*	*	*	589	*

* NO CASES REPORTED

TABLE B-35. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, SUPPORTING AGENCY, AND TYPE OF EMPLOYER: 1975
CONTINUED

			EDUCATIONAL INSTITUTIONS												
FIELD AND SUPPORTING AGENCY	TOTAL	BUSINESS/ INDUSTRY	TOTAL	4-YEAR COLL/ UNIV.	2-YEAR COLL.	ELEM/ SEC. SCHOOL	HOSPITAL/ CLINIC	NON-PROFIT ORGS.	FEDERAL GOV'T	MILITARY/ COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
OTHER SOCIAL SCIENTISTS															
TOTAL......................	18,427	745	14,068	13,603	302	163	50	855	976	75	344	281	22	945	66
TOTAL SUPPORTED..........	4,910	251	2,690	2,638	10	42	33	471	976	75	226	166	17	*	5
NASA.....................	113	27	60	60	*	*	*	*	20	*	*	6	*	*	*
NSF......................	717	11	613	613	*	*	*	52	28	*	7	6	*	*	*
EPA......................	122	26	64	64	*	*	*	15	17	*	*	*	*	*	*
ERDA (AEC)...............	48	11	*	*	*	*	*	9	28	*	*	*	*	*	*
NRC (AEC)................	28	11	*	*	*	*	*	*	17	*	*	*	*	*	*
AID......................	285	26	105	105	*	*	*	93	48	*	*	13	*	*	*
HEW, TOTAL...............	1,434	57	863	821	*	42	33	205	130	*	103	26	17	*	*
NIH....................	366	17	263	263	*	*	29	35	13	*	6	3	*	*	*
ALCOHOL/DRUG ABUSE&MHA	85	*	14	14	*	*	4	21	21	*	16	9	*	*	*
OE.....................	519	14	403	361	*	42	*	52	10	*	40	*	*	*	*
OTHER HEW..............	544	26	244	244	*	*	*	112	86	*	45	14	17	*	*
DOD......................	434	39	219	219	*	*	*	35	66	75	*	*	*	*	*
COMMERCE.................	168	22	102	102	*	*	*	*	27	*	11	6	*	*	*
USDA.....................	189	*	165	165	*	*	*	11	13	*	*	*	*	*	*
HUD......................	235	30	81	81	*	*	16	2	25	*	36	45	*	*	*
DOT......................	227	45	125	125	*	*	*	5	1	*	23	28	*	*	*
JUSTICE..................	297		150	150	*	*	*	40	*	*	27	36	*	*	5
INTERIOR.................	217	*	191	191	*	*	*	11	12	*	3	*	*	*	*
OTHER....................	1,251	34	465	455	10	*	*	94	618	*	20	20	*	*	*
SOURCE UNKNOWN...........	92	*	81	81	*	*	*	*	11	*	*	*	*	*	*
SOURCE NOT REPORTED....	79	2	37	37	*	*	*	*	26	*	*	14	*	*	*
SUPPORT STATUS UNKNOWN..	598	27	565	513	40	12	*	6	*	*	*	*	*	*	*
NOT SUPPORTED............	11,700	456	10,624	10,263	252	109	17	367	*	*	111	105	*	*	20
NO REPORT................	274	11	189	189	*	*	*	11	*	*	7	10	5	*	41
NOT EMPLOYED.............	945	*	*	*	*	*	*	*	*	*	*	*	*	945	*
NO REPORT															
TOTAL......................	658	14	60	48	6	6	*	2	*	*	*	1	*	564	17
TOTAL SUPPORTED..........	6	*	6	6	*	*	*	*	*	*	*	*	*	*	*
NASA.....................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NSF......................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
EPA......................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ERDA (AEC)...............	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NRC (AEC)................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
AID......................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HEW, TOTAL...............	3	*	3	3	*	*	*	*	*	*	*	*	*	*	*
NIH....................	3	*	3	3	*	*	*	*	*	*	*	*	*	*	*
ALCOHOL/DRUG ABUSE&MHA	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OE.....................	3	*	3	3	*	*	*	*	*	*	*	*	*	*	*
OTHER HEW..............	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
DOD......................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
COMMERCE.................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
USDA.....................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HUD......................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
DOT......................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
JUSTICE..................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
INTERIOR.................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OTHER....................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SOURCE UNKNOWN...........	3	*	3	3	*	*	*	*	*	*	*	*	*	*	*
SOURCE NOT REPORTED....	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SUPPORT STATUS UNKNOWN..	3	*	3	3	*	*	*	*	*	*	*	*	*	*	*
NOT SUPPORTED............	72	14	50	38	6	6	*	2	*	*	*	1	*	*	5
NO REPORT................	13	*	1	1	*	*	*	*	*	*	*	*	*	*	12
NOT EMPLOYED.............	564	*	*	*	*	*	*	*	*	*	*	*	*	564	*

* NO CASES REPORTED

NOTE: DETAIL MAY NOT ADD TO TOTAL BECAUSE SOME INDIVIDUALS REPORTED SUPPORT FROM MORE THAN ONE AGENCY.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-36. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS EMPLOYED IN FULL-TIME NONSCIENCE AND NONENGINEERING POSITIONS, BY FIELD AND REASON FOR ACCEPTING SUCH POSITIONS: 1975

FIELD	TOTAL	PREFER NONSCI/ ENG.	PROMOTED OUT	BETTER PAY	PREFER LOCALITY	NO SCI/ ENG. AVAILABLE	OTHER	NO REPORT
TOTAL....................	13,074	2,664	1,751	451	208	815	491	6,694
PHYSICAL SCIENTISTS.......	3,627	379	559	62	56	369	118	2,084
CHEMISTS.................	2,524	259	444	17	29	222	85	1,468
PHYSICISTS/ASTRONOMERS...	1,103	120	115	45	27	147	33	616
MATHEMATICAL SCIENTISTS...	532	145	82	23	15	57	9	201
MATHEMATICIANS...........	505	145	76	23	15	57	9	180
STATISTICIANS............	27	*	6	*	*	*	*	21
COMPUTER SPECIALISTS......	31	9	*	*	*	*	*	22
ENVIRONMENTAL SCIENTISTS..	264	44	32	1	8	14	11	154
EARTH SCIENTISTS.........	252	44	22	1	8	14	11	152
OCEANOGRAPHERS...........	10	*	10	*	*	*	*	*
ATMOSPHERIC SCIENTISTS...	2	*	*	*	*	*	*	2
ENGINEERS.................	1,504	221	234	59	32	79	68	811
LIFE SCIENTISTS...........	1,717	243	338	86	19	110	60	861
BIOLOGICAL SCIENTISTS....	1,245	152	258	52	15	101	36	631
AGRICULTURAL SCIENTISTS..	362	62	64	28	*	9	23	176
MEDICAL SCIENTISTS.......	110	29	16	6	4	*	1	54
PSYCHOLOGISTS.............	1,269	313	221	70	25	58	21	561
SOCIAL SCIENTISTS.........	4,130	1,310	285	150	53	128	204	2,000
ECONOMISTS...............	1,495	336	148	66	8	14	38	885
SOCIOLOGISTS/ANTHRO......	431	127	29	13	3	10	23	226
OTHER SOCIAL SCIENTISTS..	2,204	847	108	71	42	104	143	889
NO REPORT.................	*	*	*	*	*	*	*	*

* NO CASES REPORTED

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-37. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, AREA OF CRITICAL NATIONAL INTEREST, AND TYPE OF EMPLOYER: 1975

FIELD AND AND AREA OF CRITICAL NATIONAL INTEREST	TOTAL	BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS				HOSPITAL/ CLINIC	NONPROFIT ORGS.	FEDERAL GOV'T	MILITARY/ COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
			TOTAL	4-YEAR COLL/ UNIV.	2-YEAR COLL.	ELEM/ SEC. SCHOOL									
ALL FIELDS															
TOTAL	277,517	65,876	153,249	147,633	3,674	1,942	7,586	8,510	19,452	2,182	3,110	2,011	86	15,106	349
EDUCATION, OTHER THAN TEACHING	13,391	607	11,437	10,268	275	894	72	638	273	38	194	77	50	*	5
HEALTH	40,377	9,267	17,713	17,457	135	121	6,198	2,003	3,051	601	985	520	8	*	31
DEFENSE	13,301	5,677	1,974	1,972	2	*	12	983	3,645	999	*	*	*	*	11
ENVIRONMENTAL/POLLUTION	16,196	6,343	5,603	5,486	103	14	11	600	2,670	122	523	297	*	*	27
SPACE	3,946	1,252	1,305	1,285	20	*	*	204	1,139	46	*	*	*	*	*
CRIME PREVENTION/CONTROL	2,150	308	943	911	6	26	83	177	147	12	269	206	*	*	5
FOOD PRODUCTION/TECH	13,395	4,286	6,180	6,127	49	4	10	179	2,360	14	210	153	*	*	3
ENERGY AND FUEL	20,816	11,744	5,826	5,809	11	6	5	1,031	1,968	48	147	47	*	*	*
OTHER MINERAL RESOURCES	1,691	994	334	334	*	*	*	4	296	*	38	25	*	*	*
COMMUNITY DEV./SERVICES	3,724	619	1,881	1,807	17	57	431	366	94	13	156	151	5	*	8
HOUSING	713	326	232	232	*	*	*	14	104	*	8	29	*	*	*
TRANSP/COMMUNICATIONS	4,546	2,974	789	760	29	*	*	102	411	54	99	117	*	*	*
OTHER	96,063	2,410	91,060	87,360	2,944	756	298	604	1,237	117	180	122	2	*	33
NOT EMPLOYED	15,136	*	*	*	*	*	*	*	*	*	*	*	*	15,106	*
NO REPORT	32,102	19,069	7,972	7,825	83	64	466	1,605	2,057	118	301	267	21	*	226
PHYSICAL SCIENTISTS															
TOTAL	59,267	22,385	26,141	24,642	1,135	364	492	1,979	3,787	312	215	81	11	3,794	70
EDUCATION, OTHER THAN TEACHING	1,722	56	1,606	1,514	50	42	*	47	4	*	5	4	*	*	*
HEALTH	5,780	2,780	1,653	1,634	19	*	469	352	427	35	56	8	*	*	*
DEFENSE	3,589	1,308	616	616	*	*	*	229	1,243	193	*	*	*	*	*
ENVIRONMENTAL/POLLUTION	4,063	2,598	782	766	6	10	*	176	418	10	37	30	*	*	12
SPACE	1,557	397	604	594	10	*	*	59	470	27	*	*	*	*	*
CRIME PREVENTION/CONTROL	201	54	21	21	*	*	*	*	54	*	60	12	*	*	*
FOOD PRODUCTION/TECH	1,439	1,039	169	169	*	*	*	12	190	*	18	11	*	*	*
ENERGY AND FUEL	6,357	3,172	2,230	2,222	2	6	*	447	466	15	19	8	*	*	*
OTHER MINERAL RESOURCES	252	201	48	48	*	*	*	*	3	*	*	*	*	*	*
COMMUNITY DEV./SERVICES	159	91	42	42	*	*	*	26	*	*	*	*	*	*	*
HOUSING	91	71	*	*	*	*	*	*	20	*	*	*	*	*	*
TRANSP/COMMUNICATIONS	577	508	18	18	*	*	*	13	22	16	*	*	*	*	*
OTHER	17,197	647	16,397	15,068	1,035	294	*	53	84	5	*	3	*	*	8
NOT EMPLOYED	3,794	*	*	*	*	*	*	*	*	*	*	*	*	3,794	*
NO REPORT	12,489	9,463	1,955	1,930	13	12	23	565	386	11	20	5	11	*	50
CHEMISTS															
TOTAL	38,784	18,278	14,402	13,320	795	287	387	1,071	1,697	99	195	55	*	2,560	40
EDUCATION, OTHER THAN TEACHING	1,050	45	989	915	50	24	*	5	4	*	5	2	*	*	*
HEALTH	5,204	2,680	1,412	1,393	19	*	365	310	357	21	56	3	*	*	*
DEFENSE	754	289	97	97	*	*	*	38	293	37	*	*	*	*	*
ENVIRONMENTAL/POLLUTION	3,620	2,451	593	577	6	10	*	164	329	10	36	25	*	*	12
SPACE	199	77	49	49	*	*	*	3	70	*	*	*	*	*	*
CRIME PREVENTION/CONTROL	176	38	12	12	*	*	*	*	54	*	60	12	*	*	*
FOOD PRODUCTION/TECH	1,375	1,014	130	130	*	*	*	12	190	*	18	11	*	*	*
ENERGY AND FUEL	3,604	2,355	788	788	*	*	*	206	240	15	*	*	*	*	*
OTHER MINERAL RESOURCES	231	187	41	41	*	*	*	*	3	*	*	*	*	*	*
COMMUNITY DEV./SERVICES	120	68	26	26	*	*	*	26	*	*	*	*	*	*	*
HOUSING	82	71	*	*	*	*	*	*	11	*	*	*	*	*	*
TRANSP/COMMUNICATIONS	295	292	*	*	*	*	*	2	1	*	*	*	*	*	*
OTHER	10,127	557	9,501	8,540	710	251	*	27	37	5	*	*	*	*	*
NOT EMPLOYED	2,560	*	*	*	*	*	*	*	*	*	*	*	*	2,560	*
NO REPORT	9,387	8,154	764	752	10	2	22	278	108	11	20	2	*	*	28
PHYSICISTS/ASTRONOMERS															
TOTAL	20,483	4,107	11,739	11,322	340	77	105	908	2,090	213	20	26	11	1,234	30
EDUCATION, OTHER THAN TEACHING	672	11	617	599	*	18	*	42	*	*	*	2	*	*	*
HEALTH	576	100	241	241	*	*	104	42	70	14	*	5	*	*	*
DEFENSE	2,835	1,019	519	519	*	*	*	191	950	156	*	*	*	*	*
ENVIRONMENTAL/POLLUTION	443	147	189	189	*	*	*	12	89	*	1	5	*	*	*
SPACE	1,358	320	555	545	10	*	*	56	400	27	*	*	*	*	*
CRIME PREVENTION/CONTROL	25	16	9	9	*	*	*	*	*	*	*	*	*	*	*
FOOD PRODUCTION/TECH	64	25	39	39	*	*	*	*	*	*	*	*	*	*	*
ENERGY AND FUEL	2,753	817	1,442	1,434	2	6	*	241	226	*	19	8	*	*	*
OTHER MINERAL RESOURCES	21	14	7	7	*	*	*	*	*	*	*	*	*	*	*
COMMUNITY DEV./SERVICES	39	23	16	16	*	*	*	*	*	*	*	*	*	*	*
HOUSING	9	*	*	*	*	*	*	*	9	*	*	*	*	*	*
TRANSP/COMMUNICATIONS	282	216	18	18	*	*	*	11	21	16	*	*	*	*	*
OTHER	7,070	90	6,896	6,528	325	43	*	26	47	*	*	3	*	*	8
NOT EMPLOYED	1,234	*	*	*	*	*	*	*	*	*	*	*	*	1,234	*
NO REPORT	3,102	1,309	1,191	1,178	3	10	1	287	278	*	*	3	11	*	22

* NO CASES REPORTED

TABLE B-37. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, AREA OF CRITICAL NATIONAL INTEREST, AND TYPE OF EMPLOYER: 1975
CONTINUED

FIELD AND AND AREA OF CRITICAL NATIONAL INTEREST	TOTAL	BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS												
			TOTAL	4-YEAR COLL/ UNIV.	2-YEAR COLL.	ELEM/ SEC. SCHOOL	HOSPITAL/ CLINIC	NON-PROFIT ORGS.	FEDERAL GOV'T	MILITARY/ COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
MATHEMATICAL SCIENTISTS															
TOTAL....................	14,542	1,066	12,006	11,682	266	58	2	214	572	47	28	7	*	600	*
EDUCATION, OTHER THAN TEACHING...............	947	7	852	828	21	3	*	32	36	*	20	*	*	*	*
HEALTH.................	257	34	168	168	*	*	2	9	44	*	*	*	*	*	*
DEFENSE................	776	205	114	114	*	*	*	105	316	36	*	*	*	*	*
ENVIRONMENTAL/POLLUTION.	121	27	77	77	*	*	*	4	13	*	*	*	*	*	*
SPACE..................	111	35	69	69	*	*	*	*	7	*	*	*	*	*	*
CRIME PREVENTION/CONTROL	10	6	*	*	*	*	*	2	*	*	2	*	*	*	*
FOOD PRODUCTION/TECH....	48	20	11	11	*	*	*	6	11	*	*	*	*	*	*
ENERGY AND FUEL.........	337	192	116	116	*	*	*	2	21	*	6	*	*	*	*
OTHER MINERAL RESOURCES.	16	16	*	*	*	*	*	*	*	*	*	*	*	*	*
COMMUNITY DEV./SERVICES.	67	16	51	51	*	*	*	*	*	*	*	*	*	*	*
HOUSING................	26	*	7	7	*	*	*	*	12	*	*	7	*	*	*
TRANSP/COMMUNICATIONS...	142	81	33	33	*	*	*	2	26	*	*	*	*	*	*
OTHER..................	10,191	86	10,043	9,748	242	53	*	6	45	11	*	*	*	*	*
NOT EMPLOYED............	600	*	*	*	*	*	*	*	*	*	*	*	*	600	*
NO REPORT..............	893	341	465	460	3	2	*	46	41	*	*	*	*	*	*
MATHEMATICIANS															
TOTAL....................	12,729	847	10,655	10,335	262	58	*	190	381	47	23	7	*	579	*
EDUCATION, OTHER THAN TEACHING...............	829	7	770	746	21	3	*	31	6	*	15	*	*	*	*
HEALTH.................	140	15	99	99	*	*	*	9	17	*	*	*	*	*	*
DEFENSE................	627	161	85	85	*	*	*	86	259	36	*	*	*	*	*
ENVIRONMENTAL/POLLUTION.	90	25	48	48	*	*	*	4	13	*	*	*	*	*	*
SPACE..................	101	25	69	69	*	*	*	*	7	*	*	*	*	*	*
CRIME PREVENTION/CONTROL	8	6	*	*	*	*	*	*	*	*	2	*	*	*	*
FOOD PRODUCTION/TECH....	13	4	3	3	*	*	*	6	*	*	*	*	*	*	*
ENERGY AND FUEL.........	271	137	107	107	*	*	*	2	19	*	6	*	*	*	*
OTHER MINERAL RESOURCES.	16	16	*	*	*	*	*	*	*	*	*	*	*	*	*
COMMUNITY DEV./SERVICES.	53	16	37	37	*	*	*	*	*	*	*	*	*	*	*
HOUSING................	14	*	7	7	*	*	*	*	*	*	*	7	*	*	*
TRANSP/COMMUNICATIONS...	99	75	24	24	*	*	*	*	*	*	*	*	*	*	*
OTHER..................	9,120	60	9,010	8,719	238	53	*	6	33	11	*	*	*	*	*
NOT EMPLOYED............	579	*	*	*	*	*	*	*	*	*	*	*	*	579	*
NO REPORT..............	769	300	396	391	3	2	*	46	27	*	*	*	*	*	*
STATISTICIANS															
TOTAL....................	1,813	219	1,351	1,347	4	*	2	24	191	*	5	*	*	21	*
EDUCATION, OTHER THAN TEACHING...............	118	*	82	82	*	*	*	1	30	*	5	*	*	*	*
HEALTH.................	117	19	69	69	*	*	2	*	27	*	*	*	*	*	*
DEFENSE................	149	44	29	29	*	*	*	19	57	*	*	*	*	*	*
ENVIRONMENTAL/POLLUTION.	31	2	29	29	*	*	*	*	*	*	*	*	*	*	*
SPACE..................	10	10	*	*	*	*	*	*	*	*	*	*	*	*	*
CRIME PREVENTION/CONTROL	2	*	*	*	*	*	*	2	*	*	*	*	*	*	*
FOOD PRODUCTION/TECH....	35	16	8	8	*	*	*	*	11	*	*	*	*	*	*
ENERGY AND FUEL.........	66	55	9	9	*	*	*	*	2	*	*	*	*	*	*
OTHER MINERAL RESOURCES.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
COMMUNITY DEV./SERVICES.	14	*	14	14	*	*	*	*	*	*	*	*	*	*	*
HOUSING................	12	*	*	*	*	*	*	*	12	*	*	*	*	*	*
TRANSP/COMMUNICATIONS...	43	6	9	9	*	*	*	2	26	*	*	*	*	*	*
OTHER..................	1,071	26	1,033	1,029	4	*	*	*	12	*	*	*	*	*	*
NOT EMPLOYED............	21	*	*	*	*	*	*	*	*	*	*	*	*	21	*
NO REPORT..............	124	41	69	69	*	*	*	*	14	*	*	*	*	*	*
COMPUTER SPECIALISTS															
TOTAL....................	3,662	1,474	1,765	1,761	4	*	10	88	211	72	3	31	3	5	*
EDUCATION, OTHER THAN TEACHING...............	234	11	220	220	*	*	*	*	*	*	*	*	3	*	*
HEALTH.................	120	44	38	38	*	*	10	10	18	*	*	*	*	*	*
DEFENSE................	439	177	65	65	*	*	*	30	107	60	*	*	*	*	*
ENVIRONMENTAL/POLLUTION.	28	19	*	*	*	*	*	9	*	*	*	*	*	*	*
SPACE..................	100	31	58	58	*	*	*	1	10	*	*	*	*	*	*
CRIME PREVENTION/CONTROL	16	4	*	*	*	*	*	*	*	*	*	12	*	*	*
FOOD PRODUCTION/TECH....	22	14	*	*	*	*	*	*	8	*	*	*	*	*	*
ENERGY AND FUEL.........	140	96	41	41	*	*	*	*	3	*	*	*	*	*	*
OTHER MINERAL RESOURCES.	20	12	*	*	*	*	*	*	8	*	*	*	*	*	*
COMMUNITY DEV./SERVICES.	38	20	11	11	*	*	*	*	*	*	*	7	*	*	*
HOUSING................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
TRANSP/COMMUNICATIONS...	264	235	1	1	*	*	*	3	12	12	1	*	*	*	*
OTHER..................	1,318	95	1,218	1,214	4	*	*	5	*	*	*	*	*	*	*
NOT EMPLOYED............	5	*	*	*	*	*	*	*	*	*	*	*	*	5	*
NO REPORT..............	918	716	113	113	*	*	*	30	45	*	2	12	*	*	*

* NO CASES REPORTED

TABLE B-37. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, AREA OF CRITICAL NATIONAL INTEREST, AND TYPE OF EMPLOYER: 1975
CONTINUED

			EDUCATIONAL INSTITUTIONS												
FIELD AND AND AREA OF CRITICAL NATIONAL INTEREST	TOTAL	BUS-INESS/ INDUS-TRY	TOTAL	4-YEAR COLL/ UNIV.	2-YEAR COLL.	ELEM/ SEC. SCHOOL	HOS-PITAL/ CLINIC	NON-PROFIT ORGS.	FED-ERAL GOV'T	MILI-TARY/ COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EM-PLOYED	NO REPORT
ENVIRONMENTAL SCIENTISTS															
TOTAL....................	12,783	2,978	6,170	6,015	129	26	1	534	2,230	92	357	79	*	342	*
EDUCATION, OTHER THAN TEACHING...............	328	10	290	290	*	*	*	8	20	*	*	*	*	*	*
HEALTH.................	82	20	32	32	*	*	1	*	29	*	*	*	*	*	*
DEFENSE................	560	118	116	116	*	*	*	57	205	64	*	*	*	*	*
ENVIRONMENTAL/POLLUTION.	3,227	945	1,208	1,204	3	1	*	140	661	10	201	62	*	*	*
SPACE..................	475	11	187	187	*	*	*	35	242	*	*	*	*	*	*
CRIME PREVENTION/CONTROL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
FOOD PRODUCTION/TECH....	165	11	66	58	8	*	*	28	50	*	7	3	*	*	*
ENERGY AND FUEL.........	2,450	1,360	483	482	1	*	*	57	483	7	57	3	*	*	*
OTHER MINERAL RESOURCES.	743	302	165	165	*	*	*	1	234	*	38	3	*	*	*
COMMUNITY DEV./SERVICES.	45	9	19	19	*	*	*	*	*	*	17	*	*	*	*
HOUSING................	23	7	12	12	*	*	*	*	4	*	*	*	*	*	*
TRANSP/COMMUNICATIONS...	30	13	11	11	*	*	*	3	3	*	*	*	*	*	*
OTHER..................	3,487	18	3,275	3,133	117	25	*	68	108	*	18	*	*	*	*
NOT EMPLOYED............	342	*	*	*	*	*	*	*	*	*	*	*	*	342	*
NO REPORT...............	826	154	306	306	*	*	*	137	191	11	19	8	*	*	*
EARTH SCIENTISTS															
TOTAL....................	10,076	2,730	4,754	4,628	100	26	1	295	1,577	48	310	66	*	295	*
EDUCATION, OTHER THAN TEACHING...............	244	10	223	223	*	*	*	*	11	*	*	*	*	*	*
HEALTH.................	82	20	32	32	*	*	1	*	29	*	*	*	*	*	*
DEFENSE................	255	68	55	55	*	*	*	30	80	22	*	*	*	*	*
ENVIRONMENTAL/POLLUTION.	2,369	786	791	787	[illegible]	1	*	96	466	8	170	52	*	*	*
SPACE..................	250	*	107	107	*	*	*	*	143	*	*	*	*	*	*
CRIME PREVENTION/CONTROL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
FOOD PRODUCTION/TECH....	77	2	11	11	*	*	*	16	45	*	*	3	*	*	*
ENERGY AND FUEL.........	2,305	1,345	430	429	1	*	*	51	415	7	57	*	*	*	*
OTHER MINERAL RESOURCES.	712	302	134	134	*	*	*	1	234	*	38	3	*	*	*
COMMUNITY DEV./SERVICES.	45	9	19	19	*	*	*	*	*	*	17	*	*	*	*
HOUSING................	19	7	12	12	*	*	*	*	*	*	*	*	*	*	*
TRANSP/COMMUNICATIONS...	16	10	*	*	*	*	*	3	3	*	*	*	*	*	*
OTHER..................	2,858	18	2,757	2,636	96	25	*	27	47	*	9	*	*	*	*
NOT EMPLOYED............	295	*	*	*	*	*	*	*	*	*	*	*	*	295	*
NO REPORT...............	549	153	183	183	*	*	*	71	104	11	19	8	*	*	*
OCEANOGRAPHERS															
TOTAL....................	1,353	76	840	818	22	*	*	107	239	12	33	13	*	33	*
EDUCATION, OTHER THAN TEACHING...............	67	*	50	50	*	*	*	8	9	*	*	*	*	*	*
HEALTH.................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
DEFENSE................	134	13	51	51	*	*	*	*	60	10	*	*	*	*	*
ENVIRONMENTAL/POLLUTION.	365	48	189	189	*	*	*	23	76	2	17	10	*	*	*
SPACE..................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
CRIME PREVENTION/CONTROL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
FOOD PRODUCTION/TECH....	82	9	55	47	8	*	*	6	5	*	7	*	*	*	*
ENERGY AND FUEL.........	84	6	26	26	*	*	*	*	49	*	*	3	*	*	*
OTHER MINERAL RESOURCES.	31	*	31	31	*	*	*	*	*	*	*	*	*	*	*
COMMUNITY DEV./SERVICES.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HOUSING................	4	*	*	*	*	*	*	*	4	*	*	*	*	*	*
TRANSP/COMMUNICATIONS...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OTHER..................	396	*	358	344	14	*	*	29	*	*	9	*	*	*	*
NOT EMPLOYED............	33	*	*	*	*	*	*	*	*	*	*	*	*	33	*
NO REPORT...............	157	*	80	80	*	*	*	41	36	*	*	*	*	*	*
ATMOSPHERIC SCIENTISTS															
TOTAL....................	1,354	172	576	569	7	*	*	132	414	32	14	*	*	14	*
EDUCATION, OTHER THAN TEACHING...............	17	*	17	17	*	*	*	*	*	*	*	*	*	*	*
HEALTH.................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
DEFENSE................	171	37	10	10	*	*	*	27	65	32	*	*	*	*	*
ENVIRONMENTAL/POLLUTION.	493	111	228	228	*	*	*	21	119	*	14	*	*	*	*
SPACE..................	225	11	80	80	*	*	*	35	99	*	*	*	*	*	*
CRIME PREVENTION/CONTROL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
FOOD PRODUCTION/TECH....	6	*	*	*	*	*	*	6	*	*	*	*	*	*	*
ENERGY AND FUEL.........	61	9	27	27	*	*	*	6	19	*	*	*	*	*	*
OTHER MINERAL RESOURCES.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
COMMUNITY DEV./SERVICES.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HOUSING................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
TRANSP/COMMUNICATIONS...	14	3	11	11	*	*	*	*	*	*	*	*	*	*	*
OTHER..................	233	*	160	153	7	*	*	12	61	*	*	*	*	*	*
NOT EMPLOYED............	14	*	*	*	*	*	*	*	*	*	*	*	*	14	*
NO REPORT...............	120	1	43	43	*	*	*	25	51	*	*	*	*	*	*

* NO CASES REPORTED

TABLE B-37. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, AREA OF CRITICAL NATIONAL INTEREST, AND TYPE OF EMPLOYER: 1975
CONTINUED

FIELD AND AND AREA OF CRITICAL NATIONAL INTEREST	TOTAL	BUSINESS/ INDUSTRY	EDUCATIONAL INSTITUTIONS				HOSPITAL/ CLINIC	NONPROFIT ORGS.	FEDERAL GOV'T	MILITARY/ COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
			TOTAL	4-YEAR COLL/ UNIV.	2-YEAR COLL.	ELEM/ SEC. SCHOOL									
ENGINEERS															
TOTAL	44,425	22,535	15,306	15,129	177	*	24	1,233	3,079	700	227	211	*	1,069	41
EDUCATION, OTHER THAN TEACHING	1,202	85	1,095	1,074	21	*	*	10	*	*	12	*	*	*	*
HEALTH	1,406	556	699	699	*	*	23	57	59	*	*	12	*	*	*
DEFENSE	6,617	3,742	672	672	*	*	1	420	1,280	491	*	*	*	*	11
ENVIRONMENTAL/POLLUTION	3,371	1,930	828	817	11	*	*	49	260	73	114	117	*	*	*
SPACE	1,490	746	306	296	10	*	*	102	317	19	*	*	*	*	*
CRIME PREVENTION/CONTROL	147	62	43	43	*	*	*	11	16	*	*	15	*	*	*
FOOD PRODUCTION/TECH	693	298	291	283	8	*	*	*	108	*	*	*	*	*	*
ENERGY AND FUEL	9,457	6,581	1,846	1,838	8	*	*	383	587	20	30	10	*	*	*
OTHER MINERAL RESOURCES	594	463	108	108	*	*	*	*	23	*	*	*	*	*	*
COMMUNITY DEV./SERVICES	121	108	13	13	*	*	*	*	*	*	*	*	*	*	*
HOUSING	188	133	32	32	*	*	*	*	11	*	*	12	*	*	*
TRANSP/COMMUNICATIONS	2,554	1,901	294	294	*	*	*	56	213	26	29	35	*	*	*
OTHER	9,436	546	8,681	8,572	109	*	*	57	80	47	15	10	*	*	*
NOT EMPLOYED	1,069	*	*	*	*	*	*	*	*	*	*	*	*	1,069	*
NO REPORT	6,076	5,384	398	388	10	*	*	88	125	24	27	*	*	*	30
LIFE SCIENTISTS															
TOTAL	72,316	9,129	45,115	44,074	876	165	2,259	1,880	6,496	601	1,050	489	17	5,167	113
EDUCATION, OTHER THAN TEACHING	2,579	67	2,290	2,216	47	27	23	101	61	11	12	6	8	*	*
HEALTH	21,347	3,845	11,386	11,348	38	*	1,920	1,109	1,907	461	486	216	*	*	17
DEFENSE	189	6	28	28	*	*	5	*	123	27	*	*	*	*	*
ENVIRONMENTAL/POLLUTION	4,360	706	1,974	1,906	65	3	9	178	1,258	29	126	65	*	*	15
SPACE	102	*	31	31	*	*	*	*	71	*	*	*	*	*	*
CRIME PREVENTION/CONTROL	83	29	18	18	*	*	1	*	3	*	16	16	*	*	*
FOOD PRODUCTION/TECH	10,551	2,846	5,407	5,370	33	4	10	113	1,880	14	185	93	*	*	3
ENERGY AND FUEL	797	92	456	456	*	*	5	79	159	6	*	*	*	*	*
OTHER MINERAL RESOURCES	5	*	*	*	*	*	*	*	5	*	*	*	*	*	*
COMMUNITY DEV./SERVICES	373	58	233	228	5	*	24	7	28	*	12	11	*	*	*
HOUSING	68	39	29	29	*	*	*	*	*	*	*	*	*	*	*
TRANSP/COMMUNICATIONS	52	*	18	15	3	*	*	*	29	*	5	*	*	*	*
OTHER	21,725	214	20,971	20,159	681	131	131	89	232	25	48	11	*	*	4
NOT EMPLOYED	5,167	*	*	*	*	*	*	*	*	*	*	*	*	5,167	*
NO REPORT	4,918	1,227	2,274	2,270	4	*	131	204	740	28	160	71	9	*	74
BIOLOGICAL SCIENTISTS															
TOTAL	43,754	3,568	29,632	28,727	748	157	1,019	1,366	3,535	219	485	151	7	3,721	51
EDUCATION, OTHER THAN TEACHING	1,665	53	1,457	1,394	36	27	17	76	42	5	12	*	3	*	*
HEALTH	12,064	1,475	7,375	7,345	30	*	799	794	1,189	149	232	48	*	*	3
DEFENSE	142	*	18	18	*	*	5	*	105	14	*	*	*	*	*
ENVIRONMENTAL/POLLUTION	2,748	441	1,330	1,267	60	3	8	162	686	17	41	48	*	*	15
SPACE	85	*	25	25	*	*	*	*	60	*	*	*	*	*	*
CRIME PREVENTION/CONTROL	37	24	*	*	*	*	*	*	*	*	8	5	*	*	*
FOOD PRODUCTION/TECH	3,024	786	1,304	1,288	12	4	10	48	745	14	92	22	*	*	3
ENERGY AND FUEL	515	61	314	314	*	*	5	66	69	*	*	*	*	*	*
OTHER MINERAL RESOURCES	5	*	*	*	*	*	*	*	5	*	*	*	*	*	*
COMMUNITY DEV./SERVICES	135	35	77	72	5	*	*	7	5	*	*	11	*	*	*
HOUSING	38	30	8	8	*	*	*	*	*	*	*	*	*	*	*
TRANSP/COMMUNICATIONS	18	*	18	15	3	*	*	*	*	*	*	*	*	*	*
OTHER	16,312	102	15,933	15,212	598	123	77	62	100	15	13	6	*	*	4
NOT EMPLOYED	3,721	*	*	*	*	*	*	*	*	*	*	*	*	3,721	*
NO REPORT	3,245	561	1,773	1,769	4	*	98	151	529	5	87	11	4	*	26
AGRICULTURAL SCIENTISTS															
TOTAL	14,277	2,687	8,263	8,174	81	8	*	147	2,144	*	244	142	*	621	29
EDUCATION, OTHER THAN TEACHING	574	*	534	534	*	*	*	15	19	*	*	6	*	*	*
HEALTH	122	29	58	58	*	*	*	*	35	*	*	*	*	*	*
DEFENSE	21	6	10	10	*	*	*	*	5	*	*	*	*	*	*
ENVIRONMENTAL/POLLUTION	1,309	191	530	525	5	*	*	6	522	*	55	5	*	*	*
SPACE	7	*	*	*	*	*	*	*	7	*	*	*	*	*	*
CRIME PREVENTION/CONTROL	6	*	6	6	*	*	*	*	*	*	*	*	*	*	*
FOOD PRODUCTION/TECH	7,302	1,981	3,982	3,961	21	*	*	65	1,120	*	83	71	*	*	*
ENERGY AND FUEL	268	26	139	139	*	*	*	13	90	*	*	*	*	*	*
OTHER MINERAL RESOURCES	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
COMMUNITY DEV./SERVICES	181	18	128	128	*	*	*	*	23	*	12	*	*	*	*
HOUSING	30	9	21	21	*	*	*	*	*	*	*	*	*	*	*
TRANSP/COMMUNICATIONS	29	*	*	*	*	*	*	*	29	*	*	*	*	*	*
OTHER	2,744	72	2,524	2,461	55	8	*	13	105	*	25	5	*	*	*
NOT EMPLOYED	621	*	*	*	*	*	*	*	*	*	*	*	*	621	*
NO REPORT	1,063	355	331	331	*	*	*	35	189	*	69	55	*	*	29

* NO CASES REPORTED

TABLE B-37. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, AREA OF CRITICAL NATIONAL INTEREST, AND TYPE OF EMPLOYER: 1975
CONTINUED

FIELD AND AND AREA OF CRITICAL NATIONAL INTEREST	TOTAL	BUSINESS/INDUSTRY	EDUCATIONAL INSTITUTIONS				HOSPITAL/CLINIC	NONPROFIT ORGS.	FEDERAL GOV'T	MILITARY/COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
			TOTAL	4-YEAR COLL/UNIV.	2-YEAR COLL.	ELEM/SEC. SCHOOL									
MEDICAL SCIENTISTS															
TOTAL....................	14,285	2,874	7,220	7,173	47	*	1,240	367	817	382	321	196	10	825	33
EDUCATION, OTHER THAN TEACHING..............	340	14	299	288	11	*	6	10	*	6	*	*	5	*	*
HEALTH...................	9,161	2,341	3,953	3,945	8	*	1,121	315	683	312	254	168	*	*	14
DEFENSE..................	26	*	*	*	*	*	*	*	13	13	*	*	*	*	*
ENVIRONMENTAL/POLLUTION.	303	74	114	114	*	*	1	10	50	12	30	12	*	*	*
SPACE....................	10	*	6	6	*	*	*	*	4	*	*	*	*	*	*
CRIME PREVENTION/CONTROL	40	5	12	12	*	*	1	*	3	*	8	11	*	*	*
FOOD PRODUCTION/TECH....	225	79	121	121	*	*	*	*	15	*	10	*	*	*	*
ENERGY AND FUEL.........	14	5	3	3	*	*	*	*	*	6	*	*	*	*	*
OTHER MINERAL RESOURCES.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
COMMUNITY DEV./SERVICES.	57	5	28	29	*	*	24	*	*	*	*	*	*	*	*
HOUSING..................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
TRANSP/COMMUNICATIONS...	5	*	*	*	*	*	*	*	*	*	5	*	*	*	*
OTHER....................	2,669	40	2,514	2,486	28	*	54	14	27	10	10	*	*	*	*
NOT EMPLOYED.............	825	*	*	*	*	*	*	*	*	*	*	*	*	825	*
NO REPORT................	610	311	170	170	*	*	33	18	22	23	4	5	5	*	19
PSYCHOLOGISTS															
TOTAL....................	31,613	4,187	17,828	16,151	533	1,144	4,733	1,081	979	259	730	472	31	1,279	34
EDUCATION, OTHER THAN TEACHING..............	3,333	292	2,569	1,745	72	752	49	236	48	27	53	37	22	*	*
HEALTH...................	9,778	1,889	2,721	2,534	66	121	3,729	272	410	105	383	247	8	*	14
DEFENSE..................	416	52	50	50	*	*	6	66	189	53	*	*	*	*	*
ENVIRONMENTAL/POLLUTION.	172	8	117	111	6	*	2	10	26	*	9	*	*	*	*
SPACE....................	51	8	17	17	*	*	*	7	19	*	*	*	*	*	*
CRIME PREVENTION/CONTROL	816	109	286	260	*	26	82	73	38	12	113	103	*	*	*
FOOD PRODUCTION/TECH....	12	12	*	*	*	*	*	*	*	*	*	*	*	*	*
ENERGY AND FUEL.........	78	44	28	28	*	*	*	*	6	*	*	*	*	*	*
OTHER MINERAL RESOURCES.	2	*	*	*	*	*	*	*	2	*	*	*	*	*	*
COMMUNITY DEV./SERVICES.	1,331	171	389	328	4	57	407	160	25	13	78	30	*	*	8
HOUSING..................	56	36	*	*	*	*	*	*	20	*	*	*	*	*	*
TRANSP/COMMUNICATIONS...	188	82	41	31	10	*	*	18	39	*	8	*	*	*	*
OTHER....................	11,613	463	10,747	10,260	345	142	163	96	73	17	39	5	*	*	10
NOT EMPLOYED.............	1,279	*	*	*	*	*	*	*	*	*	*	*	*	1,279	*
NO REPORT................	2,488	1,021	863	787	30	46	295	143	84	32	47	*	1	*	2
SOCIAL SCIENTISTS															
TOTAL....................	38,251	2,108	28,858	28,131	548	179	65	1,499	2,098	99	500	640	24	2,286	74
EDUCATION, OTHER THAN TEACHING..............	3,030	78	2,500	2,373	63	64	*	204	104	*	92	30	17	*	5
HEALTH...................	1,600	97	1,013	1,001	12	*	44	192	157	*	60	37	*	*	*
DEFENSE..................	715	69	313	311	2	*	*	76	182	75	*	*	*	*	*
ENVIRONMENTAL/POLLUTION.	850	110	614	602	12	*	*	34	34	*	36	22	*	*	*
SPACE....................	60	24	33	33	*	*	*	*	3	*	*	*	*	*	*
CRIME PREVENTION/CONTROL	876	44	574	568	6	*	*	91	36	*	78	48	*	*	5
FOOD PRODUCTION/TECH....	459	44	236	236	*	*	*	20	113	*	*	46	*	*	*
ENERGY AND FUEL.........	1,200	207	626	626	*	*	*	63	243	*	35	26	*	*	*
OTHER MINERAL RESOURCES.	59	*	13	13	*	*	*	3	21	*	*	22	*	*	*
COMMUNITY DEV./SERVICES.	1,590	146	1,123	1,115	8	*	*	173	41	*	49	53	5	*	*
HOUSING..................	261	40	152	152	*	*	*	14	37	*	8	10	*	*	*
TRANSP/COMMUNICATIONS...	739	154	373	357	16	*	*	7	67	*	56	82	*	*	*
OTHER....................	21,057	339	19,691	19,174	406	111	4	230	615	12	60	93	2	*	11
NOT EMPLOYED.............	2,286	*	*	*	*	*	*	*	*	*	*	*	*	2,286	*
NO REPORT................	3,469	756	1,597	1,570	23	4	17	392	445	12	26	171	*	*	53
ECONOMISTS															
TOTAL....................	11,049	1,266	7,204	7,130	74	*	*	370	965	24	116	347	2	752	3
EDUCATION, OTHER THAN TEACHING..............	718	12	638	628	10	*	*	32	21	*	15	*	*	*	*
HEALTH...................	371	90	192	192	*	*	*	41	36	*	*	12	*	*	*
DEFENSE..................	175	33	53	53	*	*	*	43	22	24	*	*	*	*	*
ENVIRONMENTAL/POLLUTION.	243	25	204	204	*	*	*	*	12	*	2	*	*	*	*
SPACE....................	3	3	*	*	*	*	*	*	*	*	*	*	*	*	*
CRIME PREVENTION/CONTROL	37	*	2	2	*	*	*	24	11	*	*	*	*	*	*
FOOD PRODUCTION/TECH....	291	44	143	143	*	*	*	*	73	*	*	31	*	*	*
ENERGY AND FUEL.........	682	186	263	263	*	*	*	51	140	*	16	26	*	*	*
OTHER MINERAL RESOURCES.	37	*	*	*	*	*	*	3	12	*	*	22	*	*	*
COMMUNITY DEV./SERVICES.	296	45	174	174	*	*	*	45	*	*	3	29	*	*	*
HOUSING..................	109	25	41	41	*	*	*	12	23	*	8	*	*	*	*
TRANSP/COMMUNICATIONS...	334	124	99	99	*	*	*	*	47	*	33	31	*	*	*
OTHER....................	5,737	225	4,978	4,914	64	*	*	81	344	*	27	80	2	*	*
NOT EMPLOYED.............	752	*	*	*	*	*	*	*	*	*	*	*	*	752	*
NO REPORT................	1,264	454	417	417	*	*	*	38	224	*	12	116	*	*	3

* NO CASES REPORTED

TABLE B-37. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, AREA OF CRITICAL NATIONAL INTEREST, AND TYPE OF EMPLOYER: 1975
CONTINUED

			EDUCATIONAL INSTITUTIONS												
FIELD AND AND AREA OF CRITICAL NATIONAL INTEREST	TOTAL	BUSINESS/INDUSTRY	TOTAL	4-YEAR COLL/UNIV.	2-YEAR COLL.	ELEM/SEC. SCHOOL	HOSPITAL/CLINIC	NON-PROFIT ORGS.	FEDERAL GOV'T	MILITARY/COMM. CORPS	STATE GOV'T	OTHER GOV'T	OTHER	NOT EMPLOYED	NO REPORT
SOCIOLOGISTS/ANTHRO.															
TOTAL......................	8,775	97	7,586	7,398	172	16	15	274	157	*	40	12	*	589	5
EDUCATION, OTHER THAN TEACHING................	636	21	547	547	*	*	*	38	18	*	*	12	*	*	*
HEALTH....................	706	*	613	601	12	*	15	37	24	*	17	*	*	*	*
DEFENSE...................	16	*	5	3	2	*	*	*	11	*	*	*	*	*	*
ENVIRONMENTAL/POLLUTION.	99	12	87	87	*	*	*	*	*	*	*	*	*	*	*
SPACE.....................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
CRIME PREVENTION/CONTROL	362	18	306	301	5	*	*	3	21	*	14	*	*	*	*
FOOD PRODUCTION/TECH....	9	*	9	9	*	*	*	*	*	*	*	*	*	*	*
ENERGY AND FUEL..........	105	*	105	105	*	*	*	*	*	*	*	*	*	*	*
OTHER MINERAL RESOURCES.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
COMMUNITY DEV./SERVICES.	381	3	308	303	5	*	*	70	*	*	*	*	*	*	*
HOUSING..................	41	11	30	30	*	*	*	*	*	*	*	*	*	*	*
TRANSP/COMMUNICATIONS...	22	*	22	22	*	*	*	*	*	*	*	*	*	*	*
OTHER....................	5,188	*	5,116	4,956	144	16	*	38	25	*	9	*	*	*	*
NOT EMPLOYED............	589	*	*	*	*	*	*	*	*	*	*	*	*	589	*
NO REPORT...............	621	32	438	434	4	*	*	88	58	*	*	*	*	*	5
OTHER SOCIAL SCIENTISTS															
TOTAL......................	18,427	745	14,068	13,603	302	163	50	855	976	75	344	281	22	945	66
EDUCATION, OTHER THAN TEACHING................	1,676	45	1,315	1,198	53	64	*	134	65	*	77	18	17	*	5
HEALTH....................	523	7	208	208	*	*	29	114	97	*	43	25	*	*	*
DEFENSE...................	524	36	255	255	*	*	*	33	149	51	*	*	*	*	*
ENVIRONMENTAL/POLLUTION.	508	73	323	311	12	*	*	34	22	*	34	22	*	*	*
SPACE.....................	57	21	33	33	*	*	*	*	3	*	*	*	*	*	*
CRIME PREVENTION/CONTROL	477	26	266	265	1	*	*	64	4	*	64	48	*	*	5
FOOD PRODUCTION/TECH....	159	*	84	84	*	*	*	20	40	*	*	15	*	*	*
ENERGY AND FUEL..........	413	21	258	258	*	*	*	12	103	*	19	*	*	*	*
OTHER MINERAL RESOURCES.	22	*	13	13	*	*	*	*	9	*	*	*	*	*	*
COMMUNITY DEV./SERVICES.	913	98	641	638	3	*	*	58	41	*	46	24	5	*	*
HOUSING..................	111	4	81	81	*	*	*	2	14	*	*	10	*	*	*
TRANSP/COMMUNICATIONS...	383	30	252	236	16	*	*	7	20	*	23	51	*	*	*
OTHER....................	10,132	114	9,597	9,304	198	95	4	111	246	12	24	13	*	*	11
NOT EMPLOYED............	945	*	*	*	*	*	*	*	*	*	*	*	*	945	*
NO REPORT...............	1,584	270	742	719	19	4	17	266	163	12	14	55	*	*	45
NO REPORT															
TOTAL......................	658	14	60	48	6	6	*	2	*	*	*	1	*	564	17
EDUCATION, OTHER THAN TEACHING................	16	1	15	8	1	6	*	*	*	*	*	*	*	*	*
HEALTH....................	7	2	3	3	*	*	*	2	*	*	*	*	*	*	*
DEFENSE...................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ENVIRONMENTAL/POLLUTION.	4	*	3	3	*	*	*	*	*	*	*	1	*	*	*
SPACE.....................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
CRIME PREVENTION/CONTROL	1	*	1	1	*	*	*	*	*	*	*	*	*	*	*
FOOD PRODUCTION/TECH....	2	2	*	*	*	*	*	*	*	*	*	*	*	*	*
ENERGY AND FUEL..........	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OTHER MINERAL RESOURCES.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
COMMUNITY DEV./SERVICES.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HOUSING..................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
TRANSP/COMMUNICATIONS...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OTHER....................	39	2	37	32	5	*	*	*	*	*	*	*	*	*	*
NOT EMPLOYED............	564	*	*	*	*	*	*	*	*	*	*	*	*	564	*
NO REPORT...............	25	7	1	1	*	*	*	*	*	*	*	*	*	*	17

* NO CASES REPORTED

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-38. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, AREA OF CRITICAL NATIONAL INTEREST, AND PRIMARY WORK ACTIVITY: 1975

		RESEARCH AND DEVELOPMENT				....MANAGEMENT OR ADMIN....									
FIELD AND AREA OF CRITICAL NATIONAL INTEREST	TOTAL	TOTAL	BASIC RE-SEARCH	APPL'D RE-SEARCH	DEVEL-OPMENT	TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH	TEACH-ING	CON-SULT-ING	SALES/ PROF. SER-VICES	OTHER	NOT EM-PLOYED	NO REPORT
ALL FIELDS															
TOTAL....................	277,517	84,510	39,121	33,779	11,610	52,838	29,286	16,023	7,529	93,665	5,655	11,824	7,691	15,106	6,228
EDUCATION, OTHER THAN TEACHING...............	13,391	2,495	1,658	671	166	6,700	1,160	3,712	1,828	2,160	335	886	430	*	385
HEALTH..................	40,377	17,530	12,518	4,241	771	8,721	4,926	2,561	1,234	4,507	785	6,442	1,338	*	1,054
DEFENSE.................	13,301	7,596	1,314	4,204	2,078	4,364	3,428	561	375	515	178	99	364	*	185
ENVIRONMENTAL/POLLUTION.	16,196	6,549	2,301	3,596	652	4,920	3,030	1,267	623	2,414	917	234	843	*	319
SPACE...................	3,946	2,424	1,145	761	518	1,054	870	74	110	298	23	27	41	*	79
CRIME PREVENTION/CONTROL	2,150	438	132	221	85	521	279	191	51	635	72	284	116	*	84
FOOD PRODUCTION/TECH....	13,395	6,787	2,082	4,313	392	3,441	2,465	553	423	1,220	336	376	839	*	396
ENERGY AND FUEL.........	20,816	9,934	2,548	5,557	1,829	6,210	4,313	1,344	553	2,063	1,014	203	840	*	552
OTHER MINERAL RESOURCES.	1,691	743	222	375	146	550	349	162	39	160	83	22	77	*	56
COMMUNITY DEV./SERVICES.	3,724	575	140	382	53	1,112	399	503	210	999	237	485	133	*	183
HOUSING.................	713	157	20	96	41	264	97	136	31	179	38	36	17	*	22
TRANSP/COMMUNICATIONS...	4,546	2,224	214	1,145	865	1,485	1,084	276	125	488	159	41	93	*	56
OTHER...................	96,063	11,203	8,444	2,307	452	5,596	1,896	2,676	1,024	75,527	458	744	653	*	1,882
NOT EMPLOYED............	15,106	*	*	*	*	*	*	*	*	*	*	*	*	15,106	*
NO REPORT...............	32,102	15,855	6,383	5,913	3,562	7,900	4,990	2,007	903	2,500	1,020	1,945	1,907	*	975
PHYSICAL SCIENTISTS															
TOTAL....................	59,267	23,158	11,144	9,856	2,158	12,334	8,595	2,491	1,248	15,764	396	963	1,802	3,794	1,056
EDUCATION, OTHER THAN TEACHING...............	1,722	455	384	61	10	881	68	568	245	264	18	27	47	*	30
HEALTH..................	5,780	3,231	2,012	979	240	1,655	1,206	262	187	365	14	146	273	*	96
DEFENSE.................	3,589	2,387	725	1,459	203	1,026	951	46	29	38	12	5	75	*	46
ENVIRONMENTAL/POLLUTION.	4,063	1,949	622	1,137	190	1,383	1,020	234	129	297	106	55	216	*	57
SPACE...................	1,557	1,096	758	228	110	286	249	12	25	109	*	11	25	*	30
CRIME PREVENTION/CONTROL	201	63	7	44	12	33	10	10	13	12	*	36	57	*	*
FOOD PRODUCTION/TECH....	1,439	651	308	310	33	555	465	88	2	48	12	19	104	*	50
ENERGY AND FUEL.........	6,357	3,635	1,502	1,979	154	1,705	1,344	226	135	571	79	53	138	*	176
OTHER MINERAL RESOURCES.	252	102	24	56	22	111	67	33	11	29	*	10	*	*	*
COMMUNITY DEV./SERVICES.	159	43	8	33	2	58	47	11	*	20	4	*	11	*	23
HOUSING.................	91	36	20	16	*	45	28	17	*	*	*	10	*	*	*
TRANSP/COMMUNICATIONS...	577	297	78	174	45	195	168	22	5	*	*	21	41	*	23
OTHER...................	17,197	2,326	2,018	207	101	770	364	298	108	13,701	*	31	98	*	271
NOT EMPLOYED............	3,794	*	*	*	*	*	*	*	*	*	*	*	*	3,794	*
NO REPORT...............	12,489	6,887	2,678	3,173	1,036	3,631	2,608	664	359	310	151	539	717	*	254
CHEMISTS															
TOTAL....................	38,784	14,003	6,158	6,359	1,486	9,504	6,749	1,868	887	9,478	287	797	1,498	2,560	657
EDUCATION, OTHER THAN TEACHING...............	1,050	271	231	30	10	517	66	324	127	165	16	27	38	*	16
HEALTH..................	5,204	2,920	1,926	802	192	1,543	1,142	237	164	290	9	110	255	*	77
DEFENSE.................	754	493	194	274	25	218	211	7	*	17	*	*	15	*	11
ENVIRONMENTAL/POLLUTION.	3,620	1,699	537	1,002	160	1,323	986	216	121	240	62	55	203	*	38
SPACE...................	199	109	61	38	10	73	53	12	8	9	*	*	8	*	*
CRIME PREVENTION/CONTROL	176	47	*	35	12	33	10	10	13	12	*	27	57	*	*
FOOD PRODUCTION/TECH....	1,375	625	299	293	33	540	465	73	2	25	12	19	104	*	50
ENERGY AND FUEL.........	3,604	1,839	683	1,043	113	1,216	958	168	90	268	53	46	81	*	101
OTHER MINERAL RESOURCES.	231	88	24	42	22	111	67	33	11	22	*	10	*	*	*
COMMUNITY DEV./SERVICES.	120	35	*	33	2	51	40	11	*	4	4	*	11	*	15
HOUSING.................	82	27	11	16	*	45	28	17	*	*	*	10	*	*	*
TRANSP/COMMUNICATIONS...	295	107	19	60	28	121	111	10	*	*	*	21	23	*	23
OTHER...................	10,127	1,105	902	143	60	491	224	205	62	8,304	*	19	76	*	132
NOT EMPLOYED............	2,560	*	*	*	*	*	*	*	*	*	*	*	*	2,560	*
NO REPORT...............	9,387	4,638	1,271	2,548	819	3,222	2,388	545	289	122	131	453	627	*	194
PHYSICISTS/ASTRONOMERS															
TOTAL....................	20,483	9,155	4,986	3,497	672	2,830	1,846	623	361	6,286	109	166	304	1,234	399
EDUCATION, OTHER THAN TEACHING...............	672	184	153	31	*	364	2	244	118	99	2	*	9	*	14
HEALTH..................	576	311	86	177	48	112	64	25	23	75	5	36	18	*	19
DEFENSE.................	2,835	1,894	531	1,185	178	808	740	39	29	21	12	5	60	*	35
ENVIRONMENTAL/POLLUTION.	443	250	85	135	30	60	34	18	8	57	44	*	13	*	19
SPACE...................	1,358	987	697	190	100	213	196	*	17	100	*	11	17	*	30
CRIME PREVENTION/CONTROL	25	16	7	9	*	*	*	*	*	*	*	9	*	*	*
FOOD PRODUCTION/TECH....	64	26	9	17	*	15	*	15	*	23	*	*	*	*	*
ENERGY AND FUEL.........	2,753	1,796	819	936	41	489	386	58	45	303	26	7	57	*	75
OTHER MINERAL RESOURCES.	21	14	*	14	*	*	*	*	*	7	*	*	*	*	*
COMMUNITY DEV./SERVICES.	39	8	8	*	*	7	7	*	*	16	*	*	*	*	8
HOUSING.................	9	9	9	*	*	*	*	*	*	*	*	*	*	*	*
TRANSP/COMMUNICATIONS...	282	190	59	114	17	74	57	12	5	*	*	*	18	*	*
OTHER...................	7,070	1,221	1,116	64	41	279	140	93	46	5,397	*	12	22	*	139
NOT EMPLOYED............	1,234	*	*	*	*	*	*	*	*	*	*	*	*	1,234	*
NO REPORT...............	3,102	2,249	1,407	625	217	409	220	119	70	188	20	86	90	*	60

* NO CASES REPORTED

TABLE B-38. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, AREA OF
CONTINUED CRITICAL NATIONAL INTEREST, AND PRIMARY WORK ACTIVITY: 1975

FIELD AND AREA OF CRITICAL NATIONAL INTEREST	TOTAL	RESEARCH AND DEVELOPMENT				....MANAGEMENT OR ADMIN....				TEACHING	CONSULTING	SALES/ PROF. SERVICES	OTHER	NOT EMPLOYED	NO REPORT
		TOTAL	BASIC RESEARCH	APPL'D RESEARCH	DEVELOPMENT	TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH						
MATHEMATICAL SCIENTISTS															
TOTAL......................	14,542	2,766	1,593	840	333	1,247	388	649	210	9,298	149	65	174	600	243
EDUCATION, OTHER THAN TEACHING................	947	180	161	7	12	481	77	295	109	235	5	*	27	*	19
HEALTH....................	257	110	17	67	26	35	28	7	*	102	6	*	1	*	3
DEFENSE...................	776	538	67	354	117	150	107	37	6	22	25	24	1	*	16
ENVIRONMENTAL/POLLUTION.	121	61	20	41	*	6	4	2	*	51	*	*	3	*	*
SPACE.....................	111	61	*	26	35	14	14	*	*	36	*	*	*	*	*
CRIME PREVENTION/CONTROL	10	2	*	2	*	*	*	*	*	*	*	6	2	*	*
FOOD PRODUCTION/TECH....	48	22	*	22	*	8	8	*	*	3	*	*	15	*	*
ENERGY AND FUEL..........	337	162	45	80	37	33	16	17	*	39	47	*	23	*	33
OTHER MINERAL RESOURCES.	16	7	*	7	*	9	*	9	*	*	*	*	*	*	*
COMMUNITY DEV./SERVICES.	67	*	*	*	*	19	11	8	*	31	*	*	7	*	10
HOUSING..................	26	19	*	19	*	*	*	*	*	7	*	*	*	*	*
TRANSP/COMMUNICATIONS...	142	91	21	45	25	27	18	9	*	24	*	*	*	*	*
OTHER....................	10,191	1,211	1,087	103	21	321	44	203	74	8,470	22	14	23	*	130
NOT EMPLOYED.............	600	*	*	*	*	*	*	*	*	*	*	*	*	600	*
NO REPORT................	893	302	175	67	60	144	61	62	21	278	44	21	72	*	32
MATHEMATICIANS															
TOTAL......................	12,729	2,383	1,468	633	282	1,015	280	559	176	8,290	54	60	151	579	197
EDUCATION, OTHER THAN TEACHING................	829	171	152	7	12	399	64	252	83	230	3	*	15	*	11
HEALTH....................	140	55	16	25	14	25	18	7	*	56	*	*	1	*	3
DEFENSE...................	627	438	67	278	93	129	86	37	6	13	17	19	1	*	10
ENVIRONMENTAL/POLLUTION.	90	59	18	41	*	4	4	*	*	24	*	*	3	*	*
SPACE.....................	101	51	*	26	25	14	14	*	*	36	*	*	*	*	*
CRIME PREVENTION/CONTROL	8	*	*	*	*	*	*	*	*	*	*	6	2	*	*
FOOD PRODUCTION/TECH....	13	6	*	6	*	*	*	*	*	3	*	*	4	*	*
ENERGY AND FUEL..........	271	152	43	77	32	31	14	17	*	33	15	*	23	*	17
OTHER MINERAL RESOURCES.	16	7	*	7	*	9	*	9	*	*	*	*	*	*	*
COMMUNITY DEV./SERVICES.	53	*	*	*	*	16	8	8	*	20	*	*	7	*	10
HOUSING..................	14	7	*	7	*	*	*	*	*	7	*	*	*	*	*
TRANSP/COMMUNICATIONS...	99	68	15	28	25	16	7	9	*	15	*	*	*	*	*
OTHER....................	9,120	1,087	991	75	21	265	29	170	66	7,614	3	14	23	*	114
NOT EMPLOYED.............	579	*	*	*	*	*	*	*	*	*	*	*	*	579	*
NO REPORT................	769	282	166	56	60	107	36	50	21	239	16	21	72	*	32
STATISTICIANS															
TOTAL......................	1,813	383	125	207	51	232	108	90	34	1,008	95	5	23	21	46
EDUCATION, OTHER THAN TEACHING................	118	9	9	*	*	82	13	43	26	5	2	*	12	*	8
HEALTH....................	117	55	1	42	12	10	10	*	*	46	6	*	*	*	*
DEFENSE...................	149	100	*	76	24	21	21	*	*	9	8	5	*	*	6
ENVIRONMENTAL/POLLUTION.	31	2	2	*	*	2	*	2	*	27	*	*	*	*	*
SPACE.....................	10	10	*	*	10	*	*	*	*	*	*	*	*	*	*
CRIME PREVENTION/CONTROL	2	2	*	2	*	*	*	*	*	*	*	*	*	*	*
FOOD PRODUCTION/TECH....	35	16	*	16	*	8	8	*	*	*	*	*	11	*	*
ENERGY AND FUEL..........	66	10	2	3	5	2	2	*	*	6	32	*	*	*	16
OTHER MINERAL RESOURCES.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
COMMUNITY DEV./SERVICES.	14	*	*	*	*	3	3	*	*	11	*	*	*	*	*
HOUSING..................	12	12	*	12	*	*	*	*	*	*	*	*	*	*	*
TRANSP/COMMUNICATIONS...	43	23	6	17	*	11	11	*	*	9	*	*	*	*	*
OTHER....................	1,071	124	96	28	*	56	15	33	8	856	19	*	*	*	16
NOT EMPLOYED.............	21	*	*	*	*	*	*	*	*	*	*	*	*	21	*
NO REPORT................	124	20	9	11	*	37	25	12	*	39	28	*	*	*	*
COMPUTER SPECIALISTS															
TOTAL......................	3,662	1,476	236	377	863	815	416	246	153	1,092	86	90	49	5	49
EDUCATION, OTHER THAN TEACHING................	234	42	*	8	34	168	17	83	68	22	*	*	*	*	2
HEALTH....................	120	52	5	18	29	24	11	8	5	34	10	*	*	*	*
DEFENSE...................	439	269	15	95	159	116	73	20	23	15	12	12	9	*	6
ENVIRONMENTAL/POLLUTION.	28	9	*	9	*	8	*	*	8	*	11	*	*	*	*
SPACE.....................	100	73	7	12	54	24	21	3	*	3	*	*	*	*	*
CRIME PREVENTION/CONTROL	16	16	*	*	16	*	*	*	*	*	*	*	*	*	*
FOOD PRODUCTION/TECH....	22	5	*	*	5	17	9	*	8	*	*	*	*	*	*
ENERGY AND FUEL..........	140	77	7	40	30	44	25	8	11	*	8	11	*	*	*
OTHER MINERAL RESOURCES.	20	8	*	*	8	*	*	*	*	*	*	12	*	*	*
COMMUNITY DEV./SERVICES.	38	19	7	*	12	*	*	*	*	11	8	*	*	*	*
HOUSING..................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
TRANSP/COMMUNICATIONS...	264	206	27	58	121	51	31	20	*	1	6	*	*	*	*
OTHER....................	1,318	177	126	21	30	127	49	61	17	986	*	21	*	*	7
NOT EMPLOYED.............	5	*	*	*	*	*	*	*	*	*	*	*	*	5	*
NO REPORT................	918	523	42	116	365	236	180	43	13	20	31	34	40	*	34

* NO CASES REPORTED

TABLE B-38. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, AREA OF
CONTINUED CRITICAL NATIONAL INTEREST, AND PRIMARY WORK ACTIVITY: 1975

FIELD AND AREA OF CRITICAL NATIONAL INTEREST	TOTAL	RESEARCH AND DEVELOPMENT TOTAL	BASIC RE-SEARCH	APPL'D RE-SEARCH	DEVEL-OPMENT	....MANAGEMENT OR ADMIN.... TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH	TEACH-ING	CON-SULT-ING	SALES/ PROF. SER-VICES	OTHER	NOT EM-PLOYED	NO REPORT
ENVIRONMENTAL SCIENTISTS															
TOTAL......................	12,783	4,685	2,318	2,183	184	2,870	1,551	867	452	3,588	504	70	409	342	315
EDUCATION, OTHER THAN TEACHING................	328	63	46	9	8	184	83	40	61	54	5	*	6	*	16
HEALTH...................	82	39	13	29	*	32	17	5	10	10	*	*	1	*	*
DEFENSE..................	560	371	118	228	25	143	85	45	13	9	*	13	16	*	8
ENVIRONMENTAL/POLLUTION.	3,227	1,300	585	659	56	1,021	552	303	166	441	247	19	157	*	42
SPACE....................	475	348	274	62	12	101	92	*	9	15	*	11	*	*	*
CRIME PREVENTION/CONTROL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
FOOD PRODUCTION/TECH....	165	45	27	18	*	54	39	*	15	10	9	*	29	*	18
ENERGY AND FUEL..........	2,450	1,187	345	805	37	783	448	226	109	157	149	6	87	*	81
OTHER MINERAL RESOURCES.	743	329	179	139	11	196	92	76	28	88	42	*	42	*	46
COMMUNITY DEV./SERVICES.	45	17	*	17	*	9	4	5	*	2	*	17	*	*	*
HOUSING..................	23	4	*	*	4	7	*	7	*	12	*	*	*	*	*
TRANSP/COMMUNICATIONS...	30	16	*	3	13	11	1	*	10	*	3	*	*	*	*
OTHER....................	3,487	441	355	86	*	189	102	65	22	2,725	16	*	28	*	88
NOT EMPLOYED.............	342	*	*	*	*	*	*	*	*	*	*	*	*	342	*
NO REPORT................	826	525	379	128	18	140	36	95	9	65	33	4	43	*	16
EARTH SCIENTISTS															
TOTAL......................	10,076	3,138	1,352	1,669	117	2,378	1,164	802	412	3,135	472	59	350	295	249
EDUCATION, OTHER THAN TEACHING................	244	43	30	5	8	130	44	35	51	44	5	*	6	*	16
HEALTH...................	82	39	13	29	*	32	17	5	10	10	*	*	1	*	*
DEFENSE..................	255	142	59	76	7	85	54	31	*	9	*	13	6	*	*
ENVIRONMENTAL/POLLUTION.	2,369	739	249	450	40	849	402	281	166	366	227	19	148	*	21
SPACE....................	250	177	146	31	*	63	54	*	9	10	*	*	*	*	*
CRIME PREVENTION/CONTROL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
FOOD PRODUCTION/TECH....	77	13	13	*	*	38	23	*	15	2	*	*	14	*	10
ENERGY AND FUEL..........	2,305	1,121	298	786	37	716	390	226	100	155	149	6	87	*	71
OTHER MINERAL RESOURCES.	712	320	170	139	11	183	79	76	28	79	42	*	42	*	46
COMMUNITY DEV./SERVICES.	45	17	*	17	*	9	4	5	*	2	*	17	*	*	*
HOUSING..................	19	*	*	*	*	7	*	7	*	12	*	*	*	*	*
TRANSP/COMMUNICATIONS...	16	5	*	3	2	11	1	*	10	*	*	*	*	*	*
OTHER....................	2,858	245	172	73	*	131	67	50	14	2,381	16	*	9	*	76
NOT EMPLOYED.............	295	*	*	*	*	*	*	*	*	*	*	*	*	295	*
NO REPORT................	549	277	205	60	12	124	29	86	9	65	33	4	37	*	9
OCEANOGRAPHERS															
TOTAL......................	1,353	640	516	120	4	278	215	23	40	312	9	*	49	33	32
EDUCATION, OTHER THAN TEACHING................	67	16	16	*	*	41	26	5	10	10	*	*	*	*	*
HEALTH...................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
DEFENSE..................	134	90	48	42	*	26	13	*	13	*	*	*	10	*	8
ENVIRONMENTAL/POLLUTION.	365	219	170	49	*	84	75	9	*	44	*	*	9	*	9
SPACE....................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
CRIME PREVENTION/CONTROL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
FOOD PRODUCTION/TECH....	82	26	14	12	*	16	16	*	*	8	9	*	15	*	8
ENERGY AND FUEL..........	84	32	22	10	*	50	41	*	9	2	*	*	*	*	*
OTHER MINERAL RESOURCES.	31	9	9	*	*	13	13	*	*	9	*	*	*	*	*
COMMUNITY DEV./SERVICES.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HOUSING..................	4	4	*	*	4	*	*	*	*	*	*	*	*	*	*
TRANSP/COMMUNICATIONS...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OTHER....................	396	116	116	*	*	32	24	*	8	239	*	*	9	*	*
NOT EMPLOYED.............	33	*	*	*	*	*	*	*	*	*	*	*	*	33	*
NO REPORT................	157	128	121	7	*	16	7	9	*	*	*	*	6	*	7
ATMOSPHERIC SCIENTISTS															
TOTAL......................	1,354	907	450	394	63	214	172	42	*	141	23	11	10	14	34
EDUCATION, OTHER THAN TEACHING................	17	4	*	4	*	13	13	*	*	*	*	*	*	*	*
HEALTH...................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
DEFENSE..................	171	139	11	110	18	32	18	14	*	*	*	*	*	*	*
ENVIRONMENTAL/POLLUTION.	493	342	166	160	16	88	75	13	*	31	20	*	*	*	12
SPACE....................	225	171	128	31	12	38	38	*	*	5	*	11	*	*	*
CRIME PREVENTION/CONTROL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
FOOD PRODUCTION/TECH....	6	6	*	6	*	*	*	*	*	*	*	*	*	*	*
ENERGY AND FUEL..........	61	34	25	9	*	17	17	*	*	*	*	*	*	*	10
OTHER MINERAL RESOURCES.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
COMMUNITY DEV./SERVICES.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HOUSING..................	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
TRANSP/COMMUNICATIONS...	14	11	*	*	11	*	*	*	*	*	3	*	*	*	*
OTHER....................	233	80	67	13	*	26	11	15	*	105	*	*	10	*	12
NOT EMPLOYED.............	14	*	*	*	*	*	*	*	*	*	*	*	*	14	*
NO REPORT................	120	120	53	61	6	*	*	*	*	*	*	*	*	*	*

* NO CASES REPORTED

TABLE B-30. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, AREA OF
CONTINUED CRITICAL NATIONAL INTEREST, AND PRIMARY WORK ACTIVITY: 1975

		RESEARCH AND DEVELOPMENT				....MANAGEMENT OR ADMIN....									
FIELD AND AREA OF CRITICAL NATIONAL INTEREST	TOTAL	TOTAL	BASIC RE-SEARCH	APPL'D RE-SEARCH	DEVEL-OPMENT	TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH	TEACH-ING	CON-SULT-ING	SALES/ PROF. SER-VICES	OTHER	NOT EM-PLOYED	NO REPORT
ENGINEERS															
TOTAL......................	44,425	16,833	1,641	8,189	6,983	12,855	8,133	3,123	1,599	9,592	1,706	391	1,265	1,069	714
EDUCATION, OTHER THAN TEACHING...............	1,202	103	15	66	22	904	167	411	326	173	2	9	11	*	*
HEALTH..................	1,406	740	184	339	217	366	234	62	70	173	57	1	40	*	29
DEFENSE.................	6,617	3,619	270	1,819	1,530	2,494	1,929	294	271	155	112	32	142	*	63
ENVIRONMENTAL/POLLUTION.	3,371	1,171	156	632	383	1,256	645	495	116	349	296	62	211	*	26
SPACE...................	1,490	793	72	414	307	540	411	59	70	72	21	2	13	*	49
CRIME PREVENTION/CONTROL	147	38	*	14	24	88	53	23	12	21	*	*	*	*	*
FOOD PRODUCTION/TECH....	697	364	50	235	79	224	119	43	62	48	11	18	21	*	11
ENERGY AND FUEL.........	9,457	4,088	317	2,215	1,556	3,262	2,236	755	271	779	651	107	384	*	186
OTHER MINERAL RESOURCES.	594	252	2	145	105	225	190	35	*	43	29	*	35	*	10
COMMUNITY DEV./SERVICES.	121	60	*	29	31	39	25	2	12	*	11	*	*	*	11
HOUSING.................	188	36	*	8	28	107	19	72	16	14	23	3	*	*	5
TRANSP/COMMUNICATIONS...	2,554	1,447	59	743	645	866	676	134	56	108	61	8	39	*	25
OTHER...................	9,436	858	315	344	199	683	247	295	141	7,497	114	17	71	*	196
NOT EMPLOYED............	1,069	*	*	*	*	*	*	*	*	*	*	*	*	1,069	*
NO REPORT...............	6,076	3,264	221	1,186	1,857	1,801	1,182	443	176	160	318	132	298	*	103
LIFE SCIENTISTS															
TOTAL......................	72,316	27,275	18,011	8,573	691	11,340	6,572	2,952	1,816	20,975	947	2,361	2,237	5,167	2,014
EDUCATION, OTHER THAN TEACHING...............	2,579	720	551	159	10	1,211	204	615	392	300	30	58	141	*	119
HEALTH..................	21,347	11,695	9,463	2,038	194	4,246	2,636	1,031	579	2,234	225	1,565	770	*	612
DEFENSE.................	189	57	25	32	*	97	80	17	*	18	*	*	*	*	17
ENVIRONMENTAL/POLLUTION.	4,360	1,890	853	1,026	11	1,014	666	182	166	776	225	87	195	*	173
SPACE...................	102	27	27	*	*	62	56	*	6	13	*	*	*	*	*
CRIME PREVENTION/CONTROL	83	8	*	*	8	28	20	8	*	12	12	14	9	*	*
FOOD PRODUCTION/TECH....	10,551	5,576	1,656	3,645	275	2,481	1,813	347	321	949	304	333	607	*	301
ENERGY AND FUEL.........	797	394	202	179	13	144	129	15	*	163	16	*	56	*	24
OTHER MINERAL RESOURCES.	5	5	5	*	*	*	*	*	*	*	*	*	*	*	*
COMMUNITY DEV./SERVICES.	373	91	29	62	*	116	60	47	9	56	48	43	17	*	2
HOUSING.................	68	17	*	8	9	8	5	3	*	21	*	11	11	*	*
TRANSP/COMMUNICATIONS...	52	37	*	37	*	7	*	*	7	3	*	*	*	*	5
OTHER...................	21,725	3,797	3,067	703	27	1,136	453	472	211	16,086	22	65	127	*	492
NOT EMPLOYED............	5,167	*	*	*	*	*	*	*	*	*	*	*	*	5,167	*
NO REPORT...............	4,918	2,961	2,133	684	144	790	450	215	125	344	65	185	304	*	269
BIOLOGICAL SCIENTISTS															
TOTAL......................	43,754	17,352	14,074	3,022	256	4,824	2,663	1,368	793	15,225	379	352	885	3,721	1,016
EDUCATION, OTHER THAN TEACHING...............	1,665	565	522	33	10	748	107	425	216	207	9	21	70	*	45
HEALTH..................	12,064	8,447	7,387	1,011	49	1,601	1,082	314	205	1,223	73	143	303	*	274
DEFENSE.................	142	43	25	18	*	75	64	11	*	18	*	*	*	*	6
ENVIRONMENTAL/POLLUTION.	2,748	1,120	608	501	11	549	356	104	89	644	165	27	119	*	124
SPACE...................	85	22	22	*	*	50	44	*	6	13	*	*	*	*	*
CRIME PREVENTION/CONTROL	37	8	*	*	8	14	9	5	*	*	10	*	5	*	*
FOOD PRODUCTION/TECH....	3,024	1,818	826	899	93	658	524	46	88	231	89	66	103	*	59
ENERGY AND FUEL.........	515	243	189	43	11	110	95	15	*	123	5	*	29	*	5
OTHER MINERAL RESOURCES.	5	5	5	*	*	*	*	*	*	*	*	*	*	*	*
COMMUNITY DEV./SERVICES.	135	36	23	13	*	57	15	42	*	30	5	*	5	*	2
HOUSING.................	38	8	*	8	*	8	5	3	*	*	*	11	11	*	*
TRANSP/COMMUNICATIONS...	18	8	*	8	*	7	*	*	7	3	*	*	*	*	*
OTHER...................	16,312	2,789	2,563	204	22	624	221	287	116	12,468	5	11	61	*	354
NOT EMPLOYED............	3,721	*	*	*	*	*	*	*	*	*	*	*	*	3,721	*
NO REPORT...............	3,245	2,240	1,904	284	52	323	141	116	66	265	18	73	179	*	147
AGRICULTURAL SCIENTISTS															
TOTAL......................	14,277	5,865	1,323	4,312	230	3,008	1,907	606	495	2,676	390	449	794	621	474
EDUCATION, OTHER THAN TEACHING...............	574	120	5	115	*	287	49	115	123	56	16	30	44	*	21
HEALTH..................	122	73	35	38	*	28	12	16	*	21	*	*	*	*	*
DEFENSE.................	21	10	*	10	*	*	*	*	*	*	*	*	*	*	11
ENVIRONMENTAL/POLLUTION.	1,309	670	184	486	*	338	234	50	54	94	53	42	74	*	38
SPACE...................	7	*	*	*	*	7	7	*	*	*	*	*	*	*	*
CRIME PREVENTION/CONTROL	6	*	*	*	*	*	*	*	*	6	*	*	*	*	*
FOOD PRODUCTION/TECH....	7,302	3,693	819	2,692	182	1,755	1,239	295	221	669	215	239	489	*	242
ENERGY AND FUEL.........	268	149	13	136	*	23	23	*	*	39	11	*	27	*	19
OTHER MINERAL RESOURCES.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
COMMUNITY DEV./SERVICES.	181	49	*	49	*	37	32	5	*	12	43	40	*	*	*
HOUSING.................	30	9	*	*	9	*	*	*	*	21	*	*	*	*	*
TRANSP/COMMUNICATIONS...	29	29	*	29	*	*	*	*	*	*	*	*	*	*	*
OTHER...................	2,744	645	206	439	*	265	143	70	52	1,690	5	28	49	*	62
NOT EMPLOYED............	621	*	*	*	*	*	*	*	*	*	*	*	*	621	*
NO REPORT...............	1,063	418	61	318	39	268	168	55	45	68	47	70	111	*	81

* NO CASES REPORTED

TABLE B-38. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, AREA OF
CONTINUED CRITICAL NATIONAL INTEREST, AND PRIMARY WORK ACTIVITY: 1975

FIELD AND AREA OF CRITICAL NATIONAL INTEREST	TOTAL	RESEARCH AND DEVELOPMENT TOTAL	BASIC RE-SEARCH	APPL'D RE-SEARCH	DEVEL-OPMENT	....MANAGEMENT OR ADMIN.... TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH	TEACH-ING	CON-SULT-ING	SALES/ PROF. SER-VICES	OTHER	NOT EM-PLOYED	NO REPORT
MEDICAL SCIENTISTS															
TOTAL	14,285	4,058	2,614	1,239	205	3,508	2,002	978	528	3,074	178	1,560	558	825	524
EDUCATION, OTHER THAN TEACHING	340	35	24	11	*	176	48	75	53	37	5	7	27	*	53
HEALTH	9,161	3,175	2,041	989	145	2,617	1,542	701	374	990	152	1,422	467	*	338
DEFENSE	26	4	*	4	*	22	16	6	*	*	*	*	*	*	*
ENVIRONMENTAL/POLLUTION	303	100	61	39	*	127	76	28	23	38	7	18	2	*	11
SPACE	10	5	5	*	*	5	5	*	*	*	*	*	*	*	*
CRIME PREVENTION/CONTROL	40	*	*	*	*	14	11	3	*	6	2	14	4	*	*
FOOD PRODUCTION/TECH	225	65	11	54	*	68	50	6	12	49	*	28	15	*	*
ENERGY AND FUEL	14	2	*	*	2	11	11	*	*	1	*	*	*	*	*
OTHER MINERAL RESOURCES	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
COMMUNITY DEV./SERVICES	57	6	6	*	*	22	13	*	9	14	*	3	12	*	*
HOUSING	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
TRANSP/COMMUNICATIONS	5	*	*	*	*	*	*	*	*	*	*	*	*	*	5
OTHER	2,669	363	298	60	5	247	89	115	43	1,928	12	26	17	*	76
NOT EMPLOYED	825	*	*	*	*	*	*	*	*	*	*	*	*	825	*
NO REPORT	610	303	168	82	53	199	141	44	14	11	*	42	14	*	41
PSYCHOLOGISTS															
TOTAL	31,613	3,486	1,893	1,355	238	5,519	1,784	2,765	970	11,418	1,268	7,452	518	1,279	673
EDUCATION, OTHER THAN TEACHING	3,333	433	172	201	60	1,327	346	713	268	442	221	762	81	*	67
HEALTH	9,778	1,117	645	420	52	1,983	582	1,077	324	1,138	426	4,702	168	*	244
DEFENSE	416	152	6	115	31	201	123	45	33	30	6	2	13		12
ENVIRONMENTAL/POLLUTION	172	50	33	17	*	24	18	6	*	82	*	11	*	*	5
SPACE	51	7	7	*	*	27	27	*	*	17	*	*	*	*	*
CRIME PREVENTION/CONTROL	816	119	18	86	15	220	113	87	20	168	35	215	24	*	35
FOOD PRODUCTION/TECH	12	8	*	8	*	*	*	*	*	*	*	*	4	*	*
ENERGY AND FUEL	78	20	12	8	*	24	18	6	*	*	28	6	*	*	*
OTHER MINERAL RESOURCES	2	*	*	*	*	*	*	*	*	*	2	*	*	*	*
COMMUNITY DEV./SERVICES	1,331	61	28	31	2	429	103	229	97	187	119	412	55	*	68
HOUSING	56	28	*	28	*	10	10	*	*	*	*	12	6	*	*
TRANSP/COMMUNICATIONS	188	58	14	36	8	104	99	5	*	14	12	*	*	*	*
OTHER	11,613	936	615	281	40	764	174	425	165	8,980	171	519	84	*	159
NOT EMPLOYED	1,279	*	*	*	*	*	*	*	*	*	*	*	*	1,279	*
NO REPORT	2,488	497	343	124	30	406	171	172	63	360	248	811	83	*	83
SOCIAL SCIENTISTS															
TOTAL	38,251	4,827	2,263	2,406	158	5,840	1,844	2,915	1,081	21,899	599	427	1,232	2,286	1,141
EDUCATION, OTHER THAN TEACHING	3,030	499	329	160	10	1,532	198	975	359	667	54	30	117	*	131
HEALTH	1,600	544	180	351	13	378	212	107	59	450	47	28	85	*	68
DEFENSE	715	203	88	102	13	137	80	57	*	228	11	11	108	*	17
ENVIRONMENTAL/POLLUTION	850	119	32	75	12	205	122	45	38	418	32	*	61	*	15
SPACE	60	19	*	19	*	*	*	*	*	33	2	3	3	*	*
CRIME PREVENTION/CONTROL	876	192	107	75	10	152	83	63	6	421	25	13	24	*	49
FOOD PRODUCTION/TECH	459	116	41	75	*	102	12	75	15	162	*	6	59	*	14
ENERGY AND FUEL	1,200	371	118	251	2	215	97	91	27	354	36	20	152	*	52
OTHER MINERAL RESOURCES	59	40	12	28	*	9	*	9	*	*	10	*	*	*	*
COMMUNITY DEV./SERVICES	1,590	284	68	210	6	442	149	201	92	692	47	13	43	*	69
HOUSING	261	17	*	17	*	87	35	37	15	125	15	*	*	*	17
TRANSP/COMMUNICATIONS	739	72	15	49	8	224	91	86	47	338	77	12	13	*	3
OTHER	21,057	1,455	861	562	32	1,605	463	856	286	17,048	113	77	222	*	537
NOT EMPLOYED	2,286	*	*	*	*	*	*	*	*	*	*	*	*	2,286	*
NO REPORT	3,469	896	412	432	52	752	302	313	137	963	130	214	345	*	169
ECONOMISTS															
TOTAL	11,049	1,740	530	1,194	16	2,059	762	908	389	5,347	283	144	452	752	272
EDUCATION, OTHER THAN TEACHING	718	114	77	34	3	464	47	268	149	97	3	*	11	*	29
HEALTH	371	174	35	139	*	105	48	47	10	52	18	*	12	*	10
DEFENSE	175	41	16	25	*	68	46	22	*	41	*	*	25	*	*
ENVIRONMENTAL/POLLUTION	243	59	32	27	*	43	31	*	12	129	2	*	10	*	*
SPACE	3	3	*	3	*	*	*	*	*	*	*	*	*	*	*
CRIME PREVENTION/CONTROL	37	13	2	11	*	22	11	11	*	2	*	*	*	*	*
FOOD PRODUCTION/TECH	291	105	30	75	*	37	12	25	*	102	*	6	41	*	*
ENERGY AND FUEL	682	239	46	191	2	129	54	48	27	159	36	3	87	*	29
OTHER MINERAL RESOURCES	37	27	12	15	*	*	*	*	*	*	10	*	*	*	*
COMMUNITY DEV./SERVICES	296	25	10	15	*	100	43	39	18	132	*	10	11	*	18
HOUSING	109	15	*	15	*	50	24	16	10	27	*	*	*	*	17
TRANSP/COMMUNICATIONS	334	55	13	42	*	139	52	58	29	68	59	*	13	*	*
OTHER	5,737	527	151	365	11	554	211	265	78	4,266	87	41	121	*	141
NOT EMPLOYED	752	*	*	*	*	*	*	*	*	*	*	*	*	752	*
NO REPORT	1,264	343	106	237	*	348	183	109	56	272	68	84	121	*	28

* NO CASES REPORTED

TABLE B-38. NUMBER OF DOCTORAL SCIENTISTS AND ENGINEERS, BY FIELD, AREA OF
CONTINUED CRITICAL NATIONAL INTEREST, AND PRIMARY WORK ACTIVITY: 1975

		RESEARCH AND DEVELOPMENT				....MANAGEMENT OR ADMIN....									
FIELD AND AREA OF CRITICAL NATIONAL INTEREST	TOTAL	TOTAL	BASIC RE- SEARCH	APPL'D RE- SEARCH	DEVEL- OPMENT	TOTAL	OF R&D	OF OTHER THAN R&D	OF BOTH	TEACH- ING	CON- SULT- ING	SALES/ PROF. SER- VICES	OTHER	NOT EM- PLOYED	NO REPORT
SOCIOLOGISTS/ANTHRO. TOTAL	8,775	1,201	721	480	*	829	280	457	92	5,735	33	57	74	589	257
EDUCATION, OTHER THAN TEACHING	636	165	113	52	*	233	22	171	40	178	*	22	22	*	16
HEALTH	706	248	132	116	*	90	62	21	7	305	*	7	10	*	46
DEFENSE	16	*	*	*	*	3	3	*	*	2	*	*	11	*	*
ENVIRONMENTAL/POLLUTION	99	5	*	5	*	*	*	*	*	82	12	*	*	*	*
SPACE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
CRIME PREVENTION/CONTROL	362	52	40	12	*	45	28	17	*	249	*	13	*	*	3
FOOD PRODUCTION/TECH	9	*	*	*	*	*	*	*	*	9	*	*	*	*	*
ENERGY AND FUEL	105	49	27	22	*	10	10	*	*	46	*	*	*	*	*
OTHER MINERAL RESOURCES	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
COMMUNITY DEV./SERVICES	381	119	26	93	*	97	46	41	10	148	*	3	*	*	14
HOUSING	41	*	*	*	*	*	*	*	*	30	11	*	*	*	*
TRANSP/COMMUNICATIONS	22	2	2	*	*	*	*	*	*	20	*	*	*	*	*
OTHER	5,188	335	267	68	*	269	77	163	29	4,391	*	12	17	*	164
NOT EMPLOYED	589	*	*	*	*	*	*	*	*	*	*	*	*	589	*
NO REPORT	621	226	114	112	*	82	32	44	6	275	10	*	14	*	14
OTHER SOCIAL SCIENTISTS TOTAL	18,427	1,886	1,012	732	142	2,952	802	1,550	600	10,817	283	226	706	945	612
EDUCATION, OTHER THAN TEACHING	1,676	220	139	74	7	835	129	536	170	392	51	8	84	*	86
HEALTH	523	122	13	96	13	183	102	39	42	93	29	21	63	*	12
DEFENSE	524	162	72	77	13	66	31	35	*	185	11	11	72	*	17
ENVIRONMENTAL/POLLUTION	508	55	*	43	12	162	91	45	26	207	18	*	51	*	15
SPACE	57	16	*	16	*	*	*	*	*	33	2	3	3	*	*
CRIME PREVENTION/CONTROL	477	127	65	52	10	85	44	35	6	170	25	*	24	*	46
FOOD PRODUCTION/TECH	159	11	11	*	*	65	*	50	15	51	*	*	18	*	14
ENERGY AND FUEL	413	83	45	38	*	76	33	43	*	149	*	17	65	*	23
OTHER MINERAL RESOURCES	22	13	*	13	*	9	*	9	*	*	*	*	*	*	*
COMMUNITY DEV./SERVICES	913	140	32	102	6	245	60	121	64	412	47	*	32	*	37
HOUSING	111	2	*	2	*	37	11	21	5	68	4	*	*	*	*
TRANSP/COMMUNICATIONS	383	15	*	7	8	85	39	28	18	250	18	12	*	*	3
OTHER	10,132	593	443	129	21	782	175	428	179	8,391	26	24	84	*	232
NOT EMPLOYED	945	*	*	*	*	*	*	*	*	*	*	*	*	945	*
NO REPORT	1,584	327	192	83	52	322	87	160	75	416	52	130	210	*	127
NO REPORT TOTAL	658	4	2	*	2	18	3	15	*	39	*	5	5	564	23
EDUCATION, OTHER THAN TEACHING	16	*	*	*	*	12	*	12	*	3	*	*	*	*	1
HEALTH	7	2	2	*	*	2	*	2	*	1	*	*	*	*	2
DEFENSE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ENVIRONMENTAL/POLLUTION	4	*	*	*	*	3	3	*	*	*	*	*	*	*	1
SPACE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
CRIME PREVENTION/CONTROL	1	*	*	*	*	*	*	*	*	1	*	*	*	*	*
FOOD PRODUCTION/TECH	2	*	*	*	*	*	*	*	*	*	*	*	*	*	2
ENERGY AND FUEL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OTHER MINERAL RESOURCES	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
COMMUNITY DEV./SERVICES	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HOUSING	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
TRANSP/COMMUNICATIONS	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OTHER	39	2	*	*	2	1	*	1	*	34	*	*	*	*	2
NOT EMPLOYED	564	*	*	*	*	*	*	*	*	*	*	*	*	564	*
NO REPORT	25	*	*	*	*	*	*	*	*	*	*	5	5	*	15

* NO CASES REPORTED

SOURCE: NATIONAL SCIENCE FOUNDATION

APPENDIX C
Reproduction of 1975 Questionnaire and Specialties List

1975 SURVEY OF DOCTORAL SCIENTISTS AND ENGINEERS

OMB No 099-R0294

CONDUCTED BY THE NATIONAL RESEARCH COUNCIL WITH THE SUPPORT OF THE NATIONAL SCIENCE FOUNDATION

THE ACCOMPANYING LETTER requests your assistance in this biennial survey of doctoral scientists and engineers – including the fields of the natural and social sciences, mathematics, and engineering.

PLEASE READ the instructions for each question carefully and answer by printing your reply or entering an 'X' in the appropriate box.

PLEASE CHECK the pre-printed information to be certain that it is correct and complete.

PLEASE RETURN the completed form in the enclosed envelope to the Commission on Human Resources, JH 638, National Research Council, 2101 Constitution Avenue, N.W., Washington, D.C. 20418.

NOTE: ALL INFORMATION YOU PROVIDE WILL BE TREATED AS CONFIDENTIAL AND USED IN GROUP COMPARISONS FOR RESEARCH PURPOSES ONLY.

____

____

______________________________ (10)

If your name and address are incorrect, please enter correct information on the lines provided above. Include ZIP CODE.

If there is an alternate address through which you can always be reached, please provide it on the line below.

C/O	Number	Street	City	State	ZIP CODE (11)

1. Date of Birth Mo. Day Year (12-16)	**2. State or Foreign Country of Birth** (17-18)	**3. Citizenship** (19) USA 0 ☐ Non-USA, specify country 1 ☐ __________ (20-21)	**4. Sex** (22) 1 ☐ Male 2 ☐ Female

5. Racial/Ethnic Identification (23)

- 0 ☐ White/Caucasian
- 1 ☐ Black/Negro/Afro-American
- 2 ☐ American Indian
- 3 ☐ Mexican-American/Chicano
- 4 ☐ Puerto Rican-American
- 5 ☐ Oriental
- 6 ☐ Other Asian
- 7 ☐ Other, specify __________

6. List in the table below all collegiate and graduate degrees, excluding honorary degrees, that have been awarded to you. Please check the pre-printed information, including the number and name of the specialty from the list on page 3, to be certain that it is correct and complete.

Type of Degree	Granted Mo. Yr.	Major Field (Use Specialties List) Name Number	Institution Name City (or campus) & State
Bachelor's			
Master's			
Doctorate			
Other, Specify			

PLEASE NOTE that in items 7-10 information is requested for both the current year, as of the week of February 9-15, 1975, and last year, as of the week of February 10-16, 1974.

7. What was your employment status as of the periods indicated?
(Check only one category in each year.)

	1974		1975
Employed full-time, science or engineering related position	☐	1	☐
Employed full-time, nonscience or nonengineering related position	☐	2	☐
Employed part-time, science or engineering related position	☐	3	☐
Employed part-time, nonscience or nonengineering related position	☐	4	☐
Postdoctoral appointment (fellowship, traineeship, research associateship, etc.)	☐	5	☐
Unemployed and seeking employment Specify number of months unemployed: ________ (66-67)	☐	6	☐
Unemployed and not seeking employment	☐	7	☐
Retired and not employed Specify year of retirement: ________ (68-69)	☐	8	☐
Other, specify: ________	☐	9	☐
	(64)		(65)

7a. If you were employed full-time during February 9-15, 1975, in a position unrelated to science or engineering, what was the MOST important reason for taking the position?

	1975
Prefer nonscience or nonengineering position	☐ 1
Promoted out of science or engineering position	☐ 2
Pay is better	☐ 3
Locational preference	☐ 4
Science or engineering position not available	☐ 5
Other, specify: ________	☐ 6
	(70)

7b. If you were employed part-time during February 9-15, 1975, were you seeking full-time employment? 1 ☐ Yes 2 ☐ No (71)

Please do not write in this space

1
1 2-9 ctr # C
10 11

12 13 14 15 16
17 18 19 20 21
22 23

B
24 25 26
27 28 29
30 31 32 33 34 35

M
36 37 38
39 40 41
42 43 44 45 46 47

D
48 49 50
51 52 53
54 55 56 57 58 59

O
60 61 62 63
64 65
66 67 68 69
70 71

8. Which category below best describes the type of organization of your principal employment OR postdoctoral appointment?

(Check only one category in each year.)

	1974		1975
Business or industry	☐	1	☐
Junior college, 2-year college, technical institute	☐	2	☐
Medical school	☐	3	☐
4-year college or university, other than medical school	☐	4	☐
Elementary or secondary school system	☐	5	☐
Hospital or clinic	☐	6	☐
U.S. military service, active duty, or Commissioned Corps, e.g., USPHS, NOAA	☐	7	☐
U.S. government, civilian employee	☐	8	☐
State government	☐	9	☐
Local or other government, specify: ____________	☐	10	☐
International Agency	☐	11	☐
Non-profit organization, other than hospital, clinic, or educational institution	☐	12	☐
Other, specify: ____________	☐	13	☐
	(72-73)		(74-75)

9. What were the primary (A) and secondary (B) work activities related to your position?

(Check only one box in each column.)

	1974 A	1974 B		1975 A	1975 B
Management or administration of:					
Research and development	☐	☐	1	☐	☐
Other than research and development	☐	☐	2	☐	☐
Both	☐	☐	3	☐	☐
Basic research	☐	☐	4	☐	☐
Applied research	☐	☐	5	☐	☐
Development of equipment, products, systems, data	☐	☐	6	☐	☐
Design	☐	☐	7	☐	☐
Teaching	☐	☐	8	☐	☐
Report or other technical writing, editing	☐	☐	9	☐	☐
Production	☐	☐	10	☐	☐
Consulting, specify: ____________	☐	☐	11	☐	☐
Professional services to individuals	☐	☐	12	☐	☐
Quality control, inspection, testing	☐	☐	13	☐	☐
Sales, marketing, purchasing, estimating	☐	☐	14	☐	☐
Other, specify: ____________	☐	☐	15	☐	☐
	(10-13)			(14-17)	

72 73 74 75

2
1 2-9 ctr #

10 11 12 13

14 15 16 17

10. From the Degree and Employment Specialties List on page 4, select and enter both the number and title of the scientific specialty most closely related to your principal employment or postdoctoral appointment. Write in your specialty if it is not on the list.

1974 ____________ Number Title of Specialty (18-20)

1975 ____________ Number Title of Specialty (21-23)

18 19 20

21 22 23

Please answer items 11 through 13 regarding your employment during the week of February 9-15, 1975.

11. What percent of time did you devote to each of the following activities?

	%	
Management or administration of:		
Research and development	______	(24)
Other than research and development	______	(26)
Both	______	(28)
Basic research	______	(30)
Applied research	______	(32)
Development	______	(34)
Design	______	(36)
Teaching	______	(38)
Consulting	______	(40)
Other, specify: ____________	______	(42)
TOT L	100%	

12. Please give the name of your principal employer (organization, company, etc., or, if self-employed, write "self"), and actual place of employment.

____
Name of Employer (44-49)

____
Number Street

____
City State ZIP Code (50-54)

24 25 26 27 28 29

30 31 32 33 34 35

36 37 38 39 40 41

42 43

44 45 46 47 48 49

50 51 52 53 54

13. What was the basic annual salary* associated with your principal professional employment during the week of February 9-15, 1975? If you were on a postdoctoral appointment (e.g., fellowship, traineeship, research associateship), what was your annual stipend plus allowances?

$____________ per year (55-57)

55 56 57

***NOTE:** Basic annual salary is your annual salary before deductions for income tax, social security, retirement, etc., but does not include bonuses, overtime, summer teaching, or other payment for professional work.

If academically employed:

a. Check whether salary was for ☐ **9-10 months or** ☐ **11-12 months.** (58)

58

b. Did you hold a tenured position during February 9-15, 1975? 0 ☐ **Yes** 1 ☐ **No.** (59) **If yes, what year was the tenure granted?** ____________ (60-61)

59 60 61

c. What is the rank of your position?

1 ☐ **Professor**
2 ☐ **Associate Professor**
3 ☐ **Assistant Professor**
4 ☐ **Instructor**
5 ☐ **Lecturer**
6 ☐ **Dean**
7 ☐ **President or Chancellor**
8 ☐ **Other, specify:** ____________
9 ☐ **Does not apply** (62)

62

220

14. How many years of professional work experience, including teaching, have you had? ______________Year(s) (63-64)

63 64

15. Have you ever held a postdoctoral appointment? 0 ☐ Yes 1 ☐ No (65)

If yes, list below the time periods of your most recent postdoctoral appointments.

Appointment	**Starting Year**	**Total Months**
Most Recent	________ (66-67)	________ (68-69)
Second Most Recent	________ (70-71)	________ (72-73)
Third Most Recent	________ (74-75)	________ (76-77)

How many other postdoctoral appointments have you held?______________ (78)

65

66 67 68 69

70 71 72 73

74 75 76 77

78

16. Have you ever been a full-time employee (excluding summer employment) of business or industry since earning your doctorate?

0 ☐ Yes 1 ☐ No (10)

If yes,

a. **For how many years?**

__________Year(s) (11-12)

b. **If you were employed by business or industry in February, 1975, check here ☐. If not, how many years ago did you leave your most recent business or industry employment?**

__________Year(s) (14-15)

17. Have you ever been a full-time employee (excluding summer employment) of an academic institution or organization since earning your doctorate?

0 ☐ Yes 1 ☐ No (16)

If yes,

a. **For how many years?**

__________Year(s) (17-18)

b. **If you were employed by an academic institution or organization in February, 1975, please check here ☐. If not, how many years ago did you leave your most recent academic employment?**

__________Year(s) (20-21)

18. Have you ever been a full-time employee (excluding summer employment) of government (federal, state, or local) since earning your doctorate?

0 ☐ Yes 1 ☐ No (22)

If yes,

a. **For how many years?**

__________Year(s) (23-24)

b. **If you were employed by government in February, 1975, check here ☐. If not, how many years ago did you leave your most recent government employment?**

__________Year(s) (26-27)

3
1 2-9 ctr #

10 11 12

13 14 15

16 17 18

19 20 21

22 23 24

25 26 27

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19. Listed below are selected topics of critical national interest. If you devoted a significant proportion of your professional time to any of these problem areas in February, 1975, please check the box for the one on which you spent the MOST time.

Education:
- 1 ☐ Teaching
- 2 ☐ Other

3 ☐ Health
4 ☐ Defense
5 ☐ Environmental protection, pollution control
6 ☐ Space
7 ☐ Crime prevention and control
8 ☐ Food production and technology
9 ☐ Energy and fuel
10 ☐ Other mineral resources
11 ☐ Community development and services
12 ☐ Housing (planning, design, construction)
13 ☐ Transportation, communications
14 ☐ Other, specify: ______________________________

(28-29)

28 29

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20. Was any of your work in February, 1975, supported or sponsored by U.S. Government funds?

0 ☐ Yes 1 ☐ No 2 ☐ Don't know (30)

If yes, which of the following federal agencies or departments were supporting the work? (Check all that apply.)

31 ☐ NASA
32 ☐ National Science Foundation
33 ☐ Environmental Protection Agency
34 ☐ Energy Research & Development Administration (AEC)
35 ☐ Nuclear Regulatory Commission (AEC)
36 ☐ Agency for International Development
37 ☐ Department of the Interior
38 ☐ National Institutes of Health, HEW
39 ☐ Alcohol, Drug Abuse & Mental Health Administration, HEW
40 ☐ Office of Education, HEW
41 ☐ Other HEW, specify:______________
42 ☐ Department of Defense
43 ☐ Department of Commerce
44 ☐ Department of Agriculture
45 ☐ Department of Transportation
46 ☐ Department of Justice
47 ☐ Department of Housing and Urban Development
48 ☐ Other agency or department, specify:__________
____
49 ☐ Don't know source agency

30

31 32 33 34

35 36 37 38

39 40 41 42

43 44 45 46

47 48 49

DEGREE AND EMPLOYMENT SPECIALTIES LIST

MATHEMATICAL SCIENCES

000 - Algebra
010 - Analysis & Functional Analysis
020 - Geometry
030 - Logic
040 - Number Theory
052 - Probability
055 - Math, Statistics (see also 544, 670, 725, 729)
060 - Topology
080 - Computing Theory & Practice
082 - Operations Research (see also 477)
085 - Applied Mathematics
089 - Combinatorics & Finite Mathematics
091 - Physical Mathematics
098 - Mathematics, General
099 - Mathematics, Other*

ASTRONOMY

101 - Astronomy
102 - Astrophysics

PHYSICS

110 - Atomic & Molecular Physics
120 - Electromagnetism
130 - Mechanics
132 - Acoustics
134 - Fluids
135 - Plasma Physics
136 - Optics
138 - Thermal Physics
140 - Elementary Particles
150 - Nuclear Structure
160 - Solid State
198 - Physics, General
199 - Physics, Other*

CHEMISTRY

200 - Analytical
210 - Inorganic
215 - Synthetic Inorganic & Organometallic
220 - Organic
225 - Synthetic Organic & Natural Products
230 - Nuclear
240 - Physical
245 - Quantum
250 - Theoretical
255 - Structural
260 - Agricultural & Food
265 - Thermodynamics & Material Properties
270 - Pharmaceutical
275 - Polymers
280 - Biochemistry (see also 540)
285 - Chemical Dynamics
298 - Chemistry, General
299 - Chemistry, Other*

EARTH, ENVIRONMENTAL & MARINE SCIENCES

301 - Mineralogy, Petrology
305 - Geochemistry
310 - Stratigraphy, Sedimentation
320 - Paleontology
330 - Structural Geology
341 - Geophysics (Solid Earth)
350 - Geomorph., Glacial Geology
360 - Hydrology
370 - Oceanography
381 - Atmospheric Chemistry & Physics
382 - Atmospheric Dynamics
391 - Applied Geology, Geol. Engr., Econ. Geol.
388 - Environmental Sciences, General
389 - Environmental Sciences, Other*
397 - Marine Sciences, Other*
398 - Earth Sciences, General
399 - Earth Sciences, Other*

ENGINEERING

400 - Aeronautical & Astronautical
410 - Agricultural
415 - Biomedical
420 - Civil
430 - Chemical
435 - Ceramic
440 - Electrical
445 - Electronics
450 - Industrial, Manufacturing
455 - Nuclear
460 - Engineering Mechanics
465 - Engineering Physics
470 - Mechanical
475 - Metallurgy & Phys. Met. Engr.
477 - Operations Research, Systems (see also 082)
479 - Fuel Technology, Petrol Engr.
480 - Sanitary/Environmental
486 - Mining
497 - Materials Science Engr.
498 - Engineering, General
499 - Engineering, Other*

AGRICULTURAL SCIENCES

500 - Agronomy
501 - Agricultural Economics
502 - Animal Husbandry
504 - Fish & Wildlife
505 - Forestry
506 - Horticulture
507 - Soils & Soil Science
510 - Animal Sciences
511 - Phytopathology
517 - Food Science & Technology (see also 573)
518 - Agriculture, General
519 - Agriculture, Other*

MEDICAL SCIENCES

520 - Medicine & Surgery
522 - Public Health
523 - Veterinary Medicine
524 - Hospital Administration
527 - Parasitology
534 - Pathology
536 - Pharmacology
537 - Pharmacy
538 - Medical Sciences, General
539 - Medical Sciences, Other*

BIOLOGICAL SCIENCES

540 - Biochemistry (see also 280)
542 - Biophysics
543 - Biomathematics
544 - Biometrics, Biostatistics (see also 055, 670, 725, 729)
545 - Anatomy
546 - Cytology
547 - Embryology
548 - Immunology
550 - Botany
560 - Ecology
562 - Hydrobiology
564 - Microbiology & Bacteriology
566 - Physiology, Animal
567 - Physiology, Plant
569 - Zoology
570 - Genetics
571 - Entomology
572 - Molecular Biology
573 - Food Science & Technology (see also 517)
574 - Behavior/Ethology
578 - Biological Sciences, General
579 - Biological Sciences, Other*

PSYCHOLOGY

600 - Clinical
610 - Counseling & Guidance
620 - Developmental & Gerontological
630 - Educational
635 - School Psychology
641 - Experimental
642 - Comparative
643 - Physiological
650 - Industrial & Personnel
660 - Personality
670 - Psychometrics (see also 055, 544, 725, 729)
680 - Social
698 - Psychology, General
699 - Psychology, Other*

SOCIAL SCIENCES

700 - Anthropology
703 - Archeology
708 - Communications*
709 - Linguistics
710 - Sociology
720 - Economics (see also 501)
725 - Econometrics (see also 055, 544, 670, 729)
729 - Social Statistics (see also 055, 544, 670, 725)
740 - Geography
745 - Area Studies*
751 - Political Science, Public Administration
755 - International Relations
770 - Urban & Reg. Planning
775 - History & Phil. of Science
798 - Social Sciences, General
799 - Social Sciences, Other*

ARTS & HUMANITIES

841 - Fine & Applied Arts (including Music, Speech, Drama, etc.)
842 - History
843 - Philosophy, Religion, Theology
845 - Languages & Literature
846 - Other Arts and Humanities*

EDUCATION & OTHER PROFESSIONAL FIELDS

938 - Education

882 - Business Administration
883 - Home Economics
884 - Journalism
885 - Speech and Hearing Sciences
886 - Law, Jurisprudence
887 - Social Work
891 - Library & Archival Science
898 - Professional Field, Other*

899 - OTHER FIELDS*

*Identify the specific field in the space provided on the questionnaire.

Other Science Resources Publications

REPORTS	NSF No.	Price
National Patterns of R&D Resources: Funds & Manpower in the United States, 1953-1977	77-310	In press
Manpower Resources for Scientific Activities at Universities and Colleges, January 1976	77-308	In press
Detailed Statistical Tables	76-321	—
Expenditures for Scientific Activities at Universities and Colleges, Fiscal Year 1975	77-307	In press
Detailed Statistical Tables	76-316	—
Federal Funds for Research, Development, and Other Scientific Activities, Fiscal Years 1975, 1976, and 1977		
Volume XXV	77-301	$1.45
Detailed Statistical Tables	76-315	—
Women and Minorities in Science and Engineering	77-304	$0.75
Detailed Statistical Tables. Federal Support to Universities, Colleges, and Selected Nonprofit Institutions, Fiscal Year 1975	77-303	—
An Analysis of Federal R&D Funding by Function, Fiscal Years 1969-1977	76-325	$2.45
Research and Development in Industry, 1974. Funds, 1974; Scientists and Engineers, January 1975	76-322	$2.00
Detailed Statistical Tables. Graduate Science Education: Student Support and Postdoctorals, Fall 1975	76-318	—
Projections of Degrees and Enrollment in Science and Engineering Fields to 1985	76-301	$1.15
Research and Development in State Government Agencies, Fiscal Years 1972 and 1973	75-303	$1.80
Young and Senior Science and Engineering Faculty, 1974: Support, Research Participation, and Tenure	75-302	$1.70
1985 R&D Funding Projections	76-314	$2.10
Projections of Science and Engineering Doctorate Supply and Utilization, 1980 and 1985	75-301	$1.30
REVIEWS OF DATA ON SCIENCE RESOURCES		
No. 28. "Scientists and Engineers From Abroad. Trends of the Past Decade, 1966-75"	77-305	$0.35
No. 27. "Education and Work Activities of Federal Scientific and Technical Personnel, January 1974"	76-308	$0.40
No. 26. "Energy and Energy-Related R&D Activities of Federal Installations and Federally Funded Research and Development Centers. Funds, FY 1973-75 (est.) and Manpower, Jan. 1973-75 (est.)	76-304	$0.35
No. 23. "R&D Expenditures of State Public Institutions, Fiscal Year 1973"	75-311	$0.35
HIGHLIGHTS		
"R&D Spending Reaches Nearly $41 Billion in 1977"	77-306	—
"Graduate Science and Engineering Enrollment Up Only 1 Percent in 1976"	77-302	—
"Federal Agencies Allocated Over $4.5 Billion to Universities and Colleges in FY 1975"	76-327	—
"Energy Increase of 18 Percent Paces Industrial R&D Spending in 1975"	76-324	—